



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Exeter Architectural Products
131 Alden Road
Nanticoke, PA 18634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Storm Shield Hurricane Barriers

APPROVAL DOCUMENT: Drawing No. SSHB-EHB, prepared by Exeter Architectural Products, titled "Storm Shield Hurricane Barriers", sheets 1 through 12 of 12, with latest revision #1, dated May 05, 2011, signed and sealed by Thomas H. Maxwell Jr., P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", NOA number, and TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #12-1019.20 and consists of this page 1, evidence submitted pages E-1 and E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
07/02/2015

NOA No. 15-0528.03
Expiration Date: 06/23/2016
Approval Date: 07/02/2015

Exeter Architectural Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0127.02

A. DRAWINGS:

1. *Drawing No. SSHB-EHB sheets 1 through 12 of 12, last revision #1 dated May 05, 2011, titled "Storm Shield Hurricane Barriers", prepared by Exeter Architectural Products, Inc., signed and sealed by T. H. Maxwell Jr., P.E.*

B. TESTS:

1. *Test report on TAS201-Large Missile Impact Test, TAS203-Cyclic Wind Pressure Test and TAS202-Uniform Static Air Pressure Test, prepared by Architectural Testing, Report No. A1022.01-109-18, dated 08/20/10, signed and sealed by Michael D. Stremmel, P.E.*
2. *Test report on TAS201-Large Missile Impact Test, TAS203-Cyclic Wind Pressure Test and TAS202-Uniform Static Air Pressure Test, prepared by Architectural Testing, Report No. A0200.01-109-18, dated 08/20/10, signed and sealed by Michael D. Stremmel, P.E.*
3. *Test report on TAS201-Large Missile Impact Test, TAS203-Cyclic Wind Pressure Test and TAS202-Uniform Static Air Pressure Test, prepared by Architectural Testing, Report No. A3082.01-109-18, dated 12/22/10, signed and sealed by Michael D. Stremmel, P.E.*
4. *Test report on TAS201-Large Missile Impact Test, TAS203-Cyclic Wind Pressure Test and TAS202-Uniform Static Air Pressure Test, prepared by Architectural Testing, Report No. A3081.01-109-18, dated 12/21/10, signed and sealed by Michael D. Stremmel, P.E.*

C. CALCULATIONS:

1. *Anchor analysis of 4x6 side hinged hurricane barrier, sheets 1 through 3 dated 01/15/11, signed and sealed by T. H. Maxwell Jr., P.E.*
2. *Anchor analysis of 5 x 7 side hinge hurricane barrier, sheets 1 through 3 dated 01/15/11, signed and sealed by T. H. Maxwell Jr. P.E.*
3. *Anchor analysis of 4x6 enhanced single and triple hurricane barriers, sheets 1 and 2 for each, dated 01/15/11, signed and sealed by T. H. Maxwell Jr. P.E.*

D. QUALITY ASSURANCE:

1. *By Miami-Dade County Building and Neighborhood Compliance Department (BNC).*

E. MATERIAL CERTIFICATION:

1. *Certified Tensile Test Report No. A1022.01-109-18, prepared by Architectural Testing, dated 08/20/10, signed and sealed by Michael D. Stremmel, P.E.*
2. *Certified Tensile Test Report No. A0200.01-109-18, prepared by Architectural Testing, dated 08/20/10, signed and sealed by Michael D. Stremmel, P.E.*
3. *Certified Tensile Test Report No. A3082.01-109-18, prepared by Architectural Testing, dated 12/22/10, signed and sealed by Michael D. Stremmel, P.E.*
4. *Certified Tensile Test Report No. A3081.01-109-18, prepared by Architectural Testing, dated 12/21/10, signed and sealed by Michael D. Stremmel, P.E.*



Henry A. Makar, P.E., M.S.
Product Control Unit Supervisor

NOA No. 15-0528.03

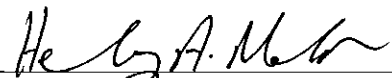
Expiration Date: 06/23/2016

Approval Date: 07/02/2015

Exeter Architectural Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-1019.20**
- A. DRAWINGS:**
1. *None.*
- B. TESTS:**
1. *None.*
- C. CALCULATIONS:**
1. *None.*
- D. QUALITY ASSURANCE:**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS:**
1. *None.*
- F. OTHERS:**
1. *Letter of compliance with the Florida Building Code, 2010 Edition and ASCE 7-10, issued by Thomas H. Maxwell, Jr., P.E. Consulting Engineer, dated September 30, 2012, signed and sealed by Thomas H. Maxwell, Jr., P.E.*
- 3. NEW EVIDENCE SUBMITTED**
- A. DRAWINGS:**
1. *None.*
- B. TESTS:**
1. *None.*
- C. CALCULATIONS:**
1. *None.*
- D. QUALITY ASSURANCE:**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS:**
1. *None.*
- F. OTHERS:**
1. *Letter of compliance with the Florida Building Code, 2014 Edition, issued by Thomas H. Maxwell, Jr., P.E. Consulting Engineer, dated February 01, 2015, signed and sealed by Thomas H. Maxwell, Jr., P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0528.03
Expiration Date: 06/23/2016
Approval Date: 07/02/2015

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED AS A HURRICANE SHUTTER
2. THESE PRODUCTS SATISFY THE FOLLOWING TESTING CRITERIA FOR LARGE MISSILE IMPACTS AND WIND LOADS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
FLORIDA BUILDING CODE HIGH VELOCITY HURRICANE ZONE, 2007 EDITION
(TAS 201-94, TAS 202-94, TAS 203-94)
3. EACH BARRIER SHALL HAVE A PERMANENT LABEL PLACED IN A VISIBLE LOCATION WITH THE FOLLOWING INFORMATION:

EXETER ARCHITECTURAL PRODUCTS
STORM SHIELD WYOMING, PA
MIAMI-DADE COUNTY
PRODUCT CONTROL APPROVED
TAS-201, TAS-202, TAS-203
NOA# 11-0127.02

EXETER ARCHITECTURAL PRODUCTS
STORM SHIELD NANTICOKE, PA
MIAMI-DADE COUNTY
PRODUCT CONTROL APPROVED
TAS-201, TAS-202, TAS-203
NOA# 11-0127.02

LABEL SIZE: 2" X 3/4"

ALTERNATE MANUFACTURING LOCATION
4. DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER IN ACCORDANCE WITH ASCE 7-05. THE ALLOWABLE DESIGN PRESSURES FOR EACH PRODUCT TYPE (APPROVED UNDER THIS N.O.A.) ARE LISTED WITH ITS CORRESPONDING DRAWING.
5. ALL ALUMINUM PARTS ARE MADE FROM 6063 T5 SERIES ALUMINUM. THE PERFORATED PANELS SHALL BE .079" (NOMINAL THICKNESS) STAINLESS STEEL, WITH AN OPTION FOR .075" (NOMINAL THICKNESS) GALVANNEALED STEEL (GALVANNEALED OPTION NOT AVAILABLE FOR ALL UNITS) ALL PARTS SHALL BE SUPPLIED WITH A PROTECTIVE FINISH.
6. A FASTENER SCHEDULE FOR EACH PRODUCT CAN BE FOUND ON THE INDIVIDUAL DRAWINGS.
7. BARRIER CONSTRUCTION SHALL BE IN ACCORDANCE WITH DESIGNS AND METHODS SET FORTH BY THE MANUFACTURER CONTAINED HEREIN.
8. TO ENSURE PROPER OPERATION, INSTALLATION SHALL BE PERFORMED USING METHODS AND INSTRUCTIONS SET FORTH BY THE MANUFACTURER CONTAINED WITHIN THESE DRAWINGS.
9. UNITS MUST BE ATTACHED TO CONCRETE OR STRUCTURAL COMPONENTS OF THE BUILDING. OUTER WALL COVERINGS OR DECORATIVE ATTACHMENTS THAT ARE NOT PART OF THE BUILDING STRUCTURE ARE NOT SUITABLE FOR MOUNTING.

DRAWING INDEX

PAGE 1 OF 12 - GENERAL NOTES/INDEX

4 X 6 SIDE-HINGED TEST REPORT# A1022.01-109-18 DATED 08/20/2010

PAGE 2 OF 12 - 4' X 6' SIDE-HINGED 1 X 2, FACE MOUNT UNIT.
PAGE 3 OF 12 - 4' X 6' SIDE-HINGED 1 X 2, INSET MOUNT UNIT.

5 X 7 SIDE-HINGED TEST REPORT# A0200.01-109-18 DATED 08/20/2010

PAGE 4 OF 12 - 5' X 7' SIDE-HINGED, FACE MOUNT UNIT.
PAGE 5 OF 12 - 5' X 7' SIDE-HINGED, INSET MOUNT UNIT.

4 X 6 READY MOUNT (ENHANCED) TEST REPORT# A3081.01-109-18 DATED 12/21/2010
TEST REPORT# A3082.01-109-18 DATED 12/22/2010

PAGE 6 OF 12 - 4' X 6' ENHANCED SINGLE, READY MOUNT, FACE MOUNT UNIT.
PAGE 7 OF 12 - 4' X 6' ENHANCED SINGLE, READY MOUNT, INSET MOUNT UNIT.
PAGE 8 OF 12 - 4' X 6' ENHANCED TRIPLE, READY MOUNT, FACE MOUNT UNIT.
PAGE 9 OF 12 - 4' X 6' ENHANCED TRIPLE, READY MOUNT, INSET MOUNT UNIT.
PAGE 10 OF 12 - SUBFRAME/1 X 2 FRAME ASSEMBLY DETAILS

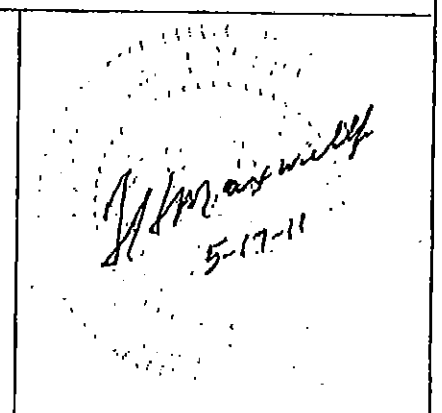
MATERIALS

PAGE 11 OF 12 - COMPONENT/EXTRUSION DETAILS.
PAGE 12 OF 12 - COMPONENT/EXTRUSION DETAILS. (CONT'D)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0528.03
Expiration Date 06/23/2016
By Heidi A. Miller
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-1019.20
Expiration Date 6/23/2016
By Heidi A. Miller
Miami Dade Product Control

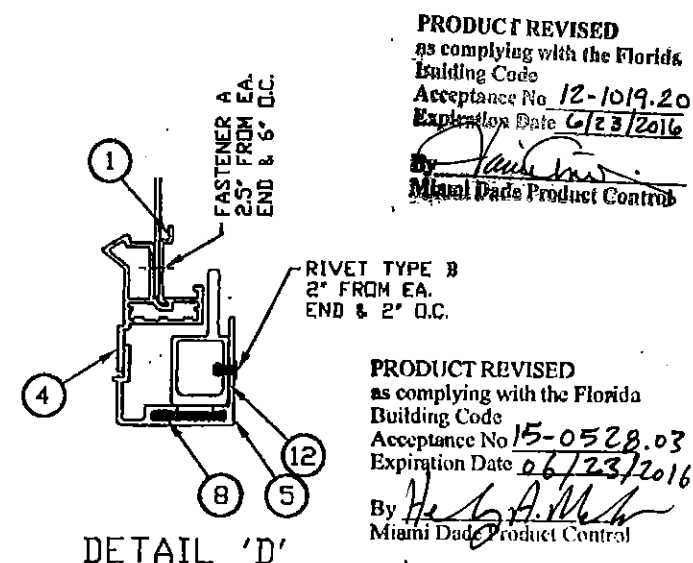
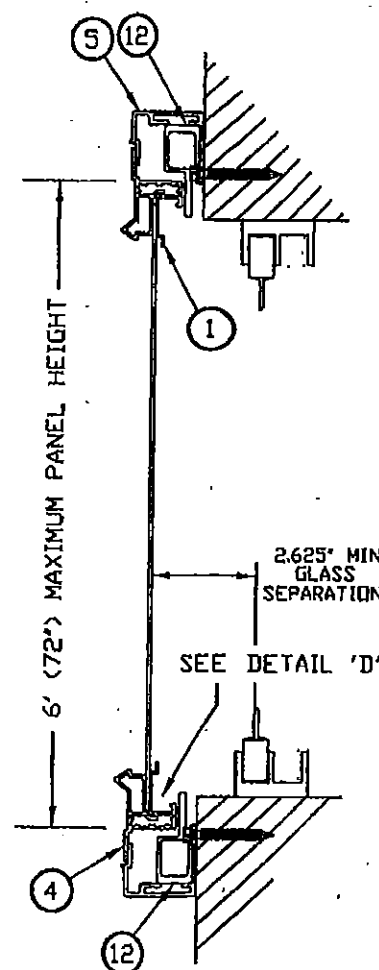
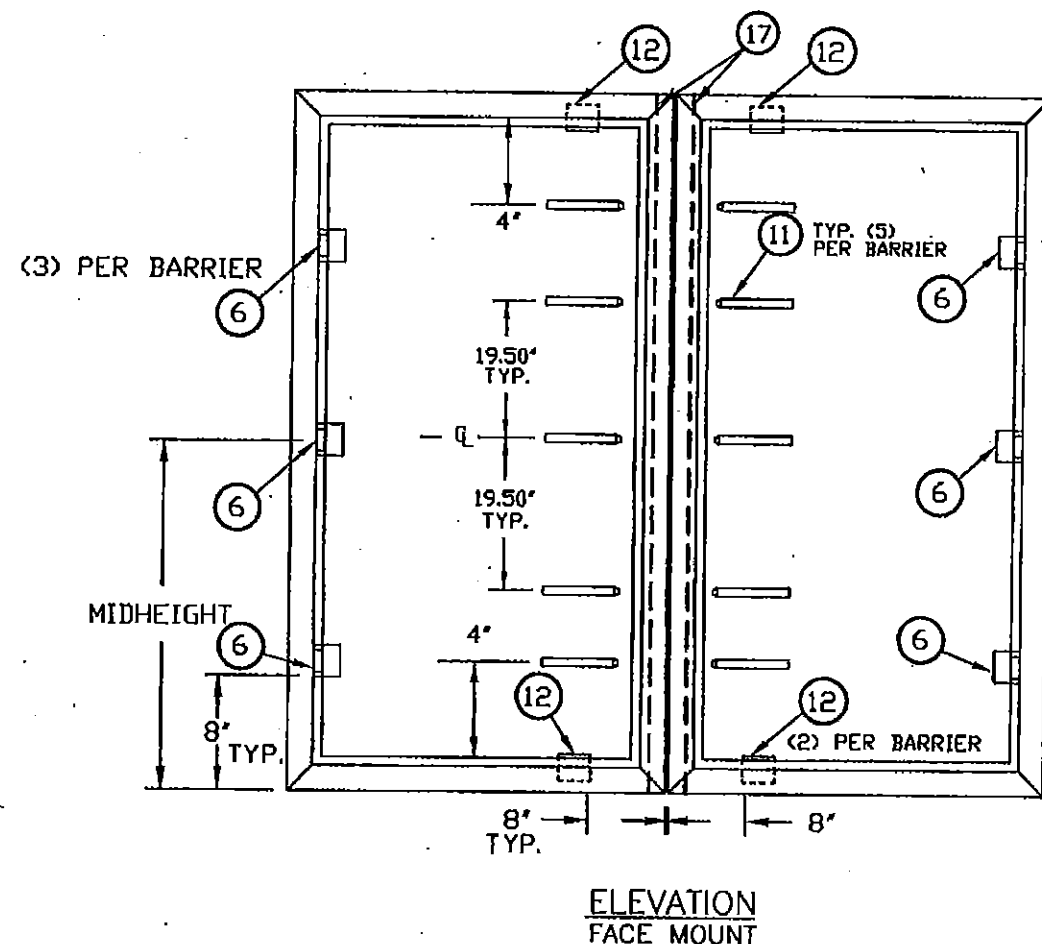
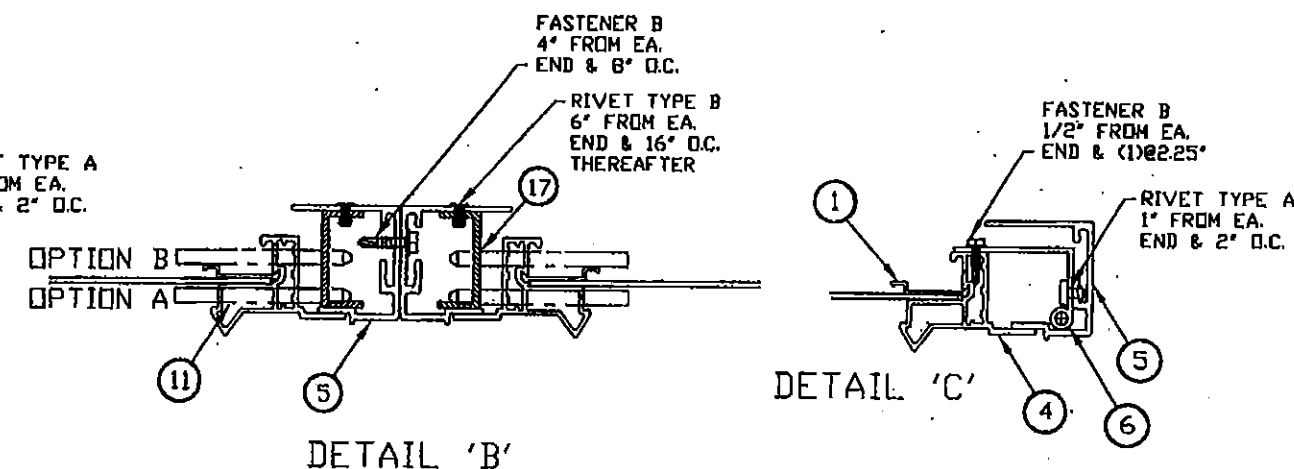
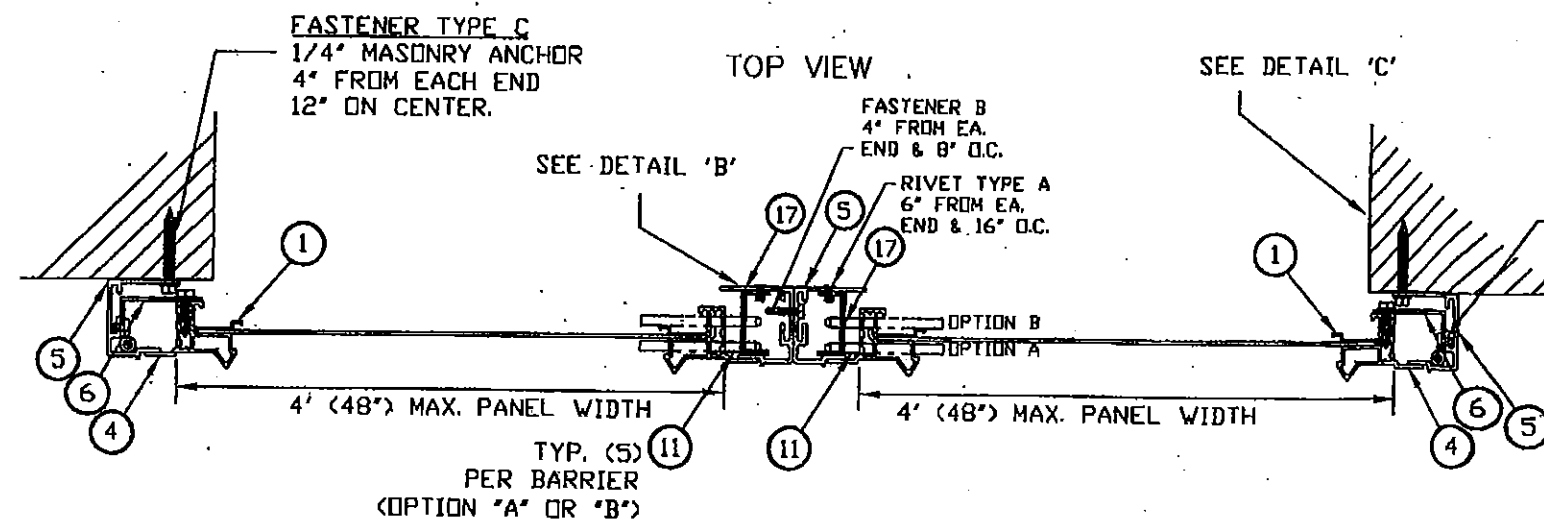
Approved as complying with the
Florida Building Code
Date 06/23/2011
NOA# 11-0127.02
Miami Dade Product Control
By Heidi A. Miller



CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

Board of Professional Engineers
Exam Mechanical-Structural: 1965
State of Florida P.E. Registration
No. 10150
U.S. Army Corps of Engineers
Civil-Structural Engineer
Florida Power & Light Company
Electrical Engineer

TITLE/CUSTOMER			
STORM SHIELD HURRICANE BARRIERS DRAWING INDEX/NOTES			
SCALE:	NTS	WWW.STORMSHIELD.NET	DRAWN BY: RBM
DATE:	5/5/11		REVISED
			1
		242 W. 8TH ST. WYOMING PA 18644	800-972-2478 FAX (570) 693-2575
PRODUCT CONTROL CODE:		DRAWING NO. SSHB-EHB	
PAGE 1 OF 12			



NO MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	77	77
STAINLESS STEEL	77	77

TITLE/CUSTOMER

DETAILS FOR STORM SHIELD HURRICANE BARRIER
4' X 6' SIDE HINGED 1 X 2 (FACE MOUNT)

SCALE: NTS
DATE: 5/5/11



DRAWN BY: RBM
REVISED 1
TR#A1022.01-109-18
800-972-2478
FAX (570) 693-2575
DRAWING NO. SSHB-EHB

242 W. 8TH ST.
WYOMING PA 18644

PRODUCT CONTROL CODE:

PAGE 2 OF 12

NOTES:

- ITEM # (11) 1/4" X 2.63" SECURING PIN (MIN), S/S. FIVE SECURING PINS ON SIDE OPPOSITE HINGE SIDE.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4" X 1 3/4" ELCD TAPCON WITH 1.25" MINIMUM EMBEDMENT IN FILLED CELLS. FASTENERS SPACED 4" FROM EACH END AND 12" O.C. THEREAFTER.
- UNITS LESS THAN 30" IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
- UNITS CAN BE MOUNTED AS SINGLE BARRIER.

- RIVET TYPE A: 3/16 STAINLESS STEEL RIVET (1/16-1/8" GRIP RANGE)
- RIVET TYPE B: 3/16 ALUMINUM RIVET (1/8-1/4" GRIP RANGE)

CONSULTING ENGINEER
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121 N.W. 39 AVE.
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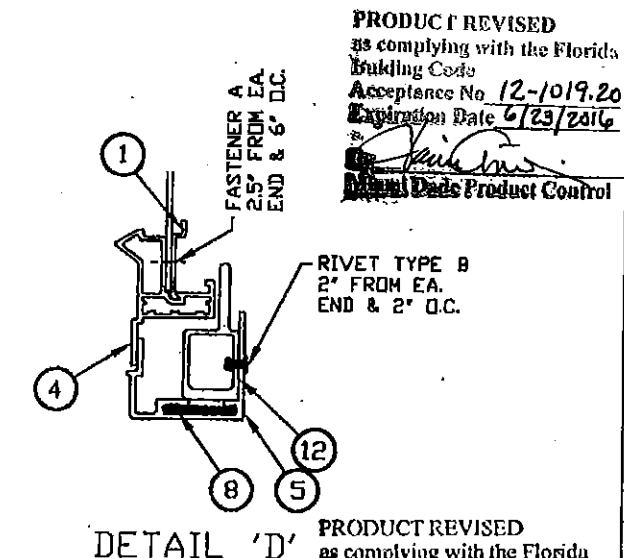
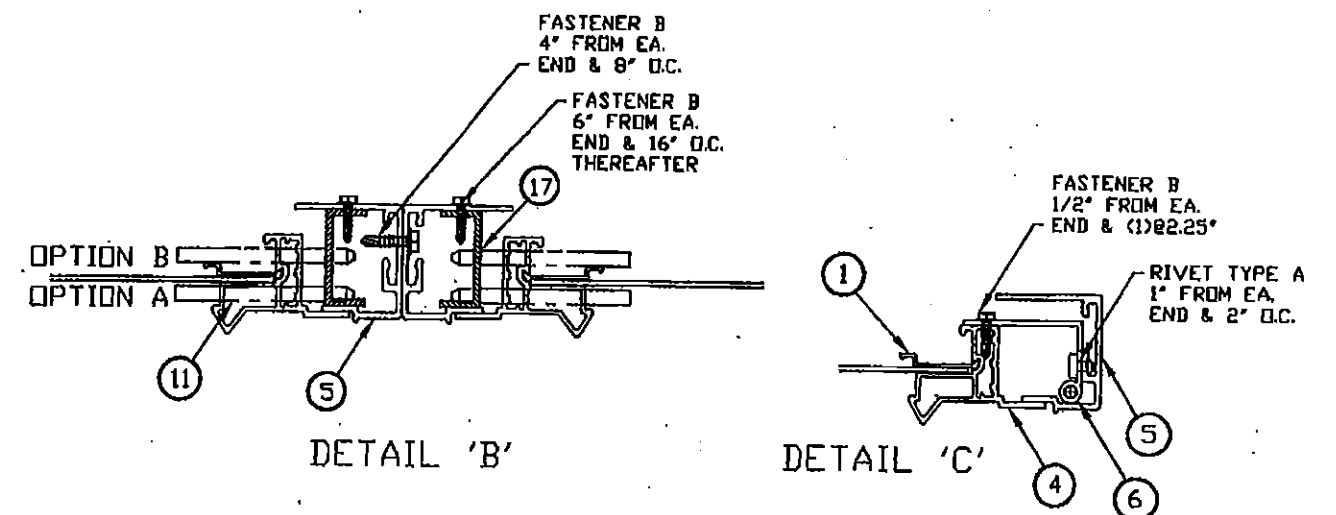
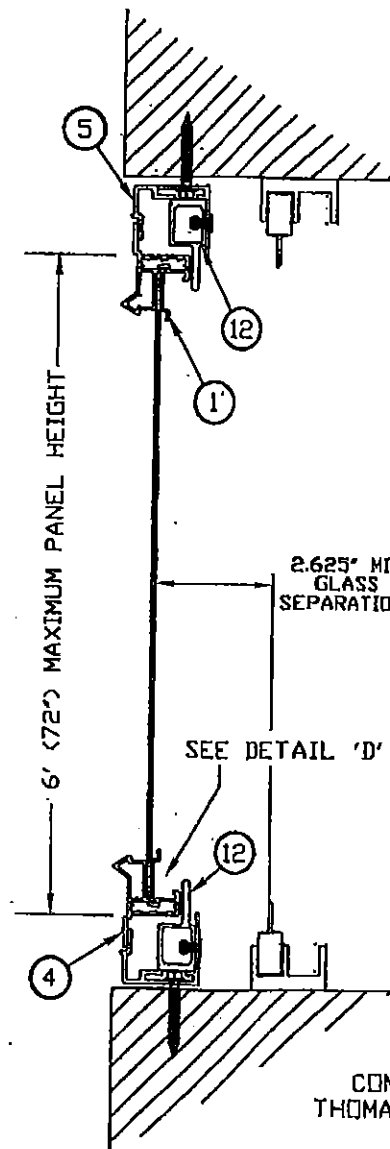
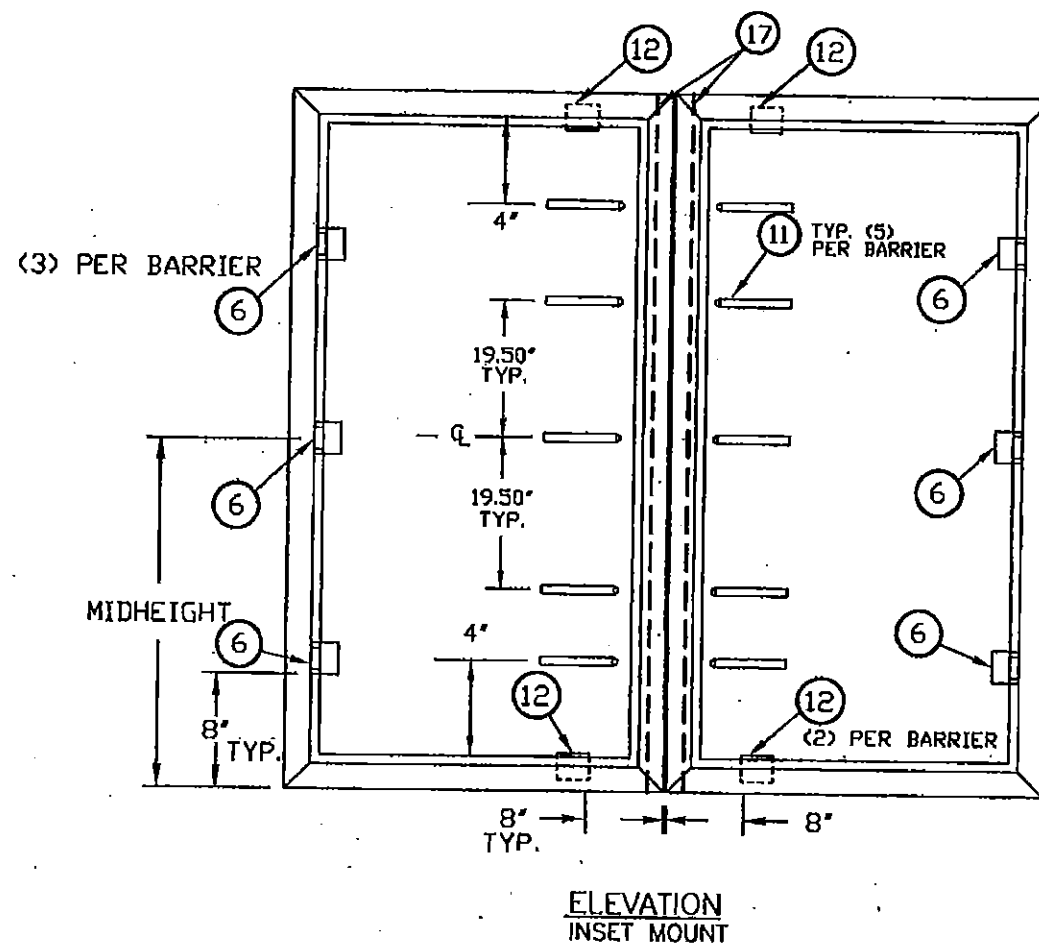
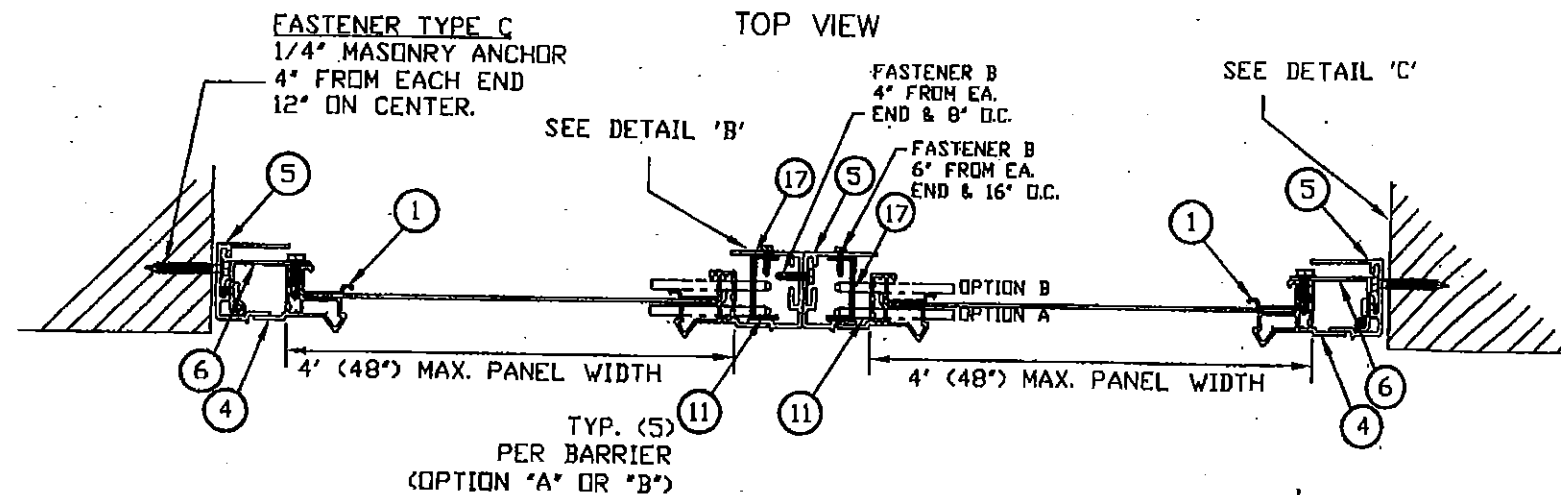
Board of Professional Engineers
Exam: Mechanical-Structural 1965
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Florida Power & Light Company:
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Building Code
Acceptance No 12-1019.20
Expiration Date 06/23/2016
By *[Signature]*
Miami Dade Product Control

Approved as complying with the
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Miami Dade Product Control
By *[Signature]*

PRODUCT REVISED
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By *[Signature]*
Miami Dade Product Control

[Signature]
5-17-11



Approved as complying with the
Florida Building Code
Date 06/23/2011
NOA# 11-0127.02
Miami Dade Product Control
By *Thomas H. Maxwell Jr.*

NO MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING
	POS. (PSF.) NEG. (PSF.)
GALVANNEAL	77 77
STAINLESS STEEL	77 77

NOTES:

- ITEM # 11 1/4" X 2.63" SECURING PIN (MIN); S/S FIVE SECURING PINS ON SIDE OPPOSITE HINGE SIDE.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN FILLED CELLS. FASTENERS SPACED 4" FROM EACH END AND 12" O.C. THEREAFTER.
- UNITS LESS THAN 30" IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
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- RIVET TYPE B: 3/16 ALUMINUM RIVET (1/8-1/4" GRIP RANGE)

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Board of Professional Engineers
Exam: Mechanical-Structural 1965
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No. 10150
U.S. Army Corps of Engineers:
Civil-Structural Engineer
Florida Power & Light Company:
Electrical Engineer

TITLE/CUSTOMER

DETAILS FOR STORM SHIELD HURRICANE BARRIER
4' X 6' SIDE HINGED 1 X 2 (INSET MOUNT)

SCALE: NTS

DATE: 5/5/11

242 W. 8TH ST.
WYOMING PA. 18644

PRODUCT CONTROL CODE:

WWW.STORMSHIELD.NET

LEXETER
ARCHITECTURAL
PRODUCTS

DRAWN BY: RBM

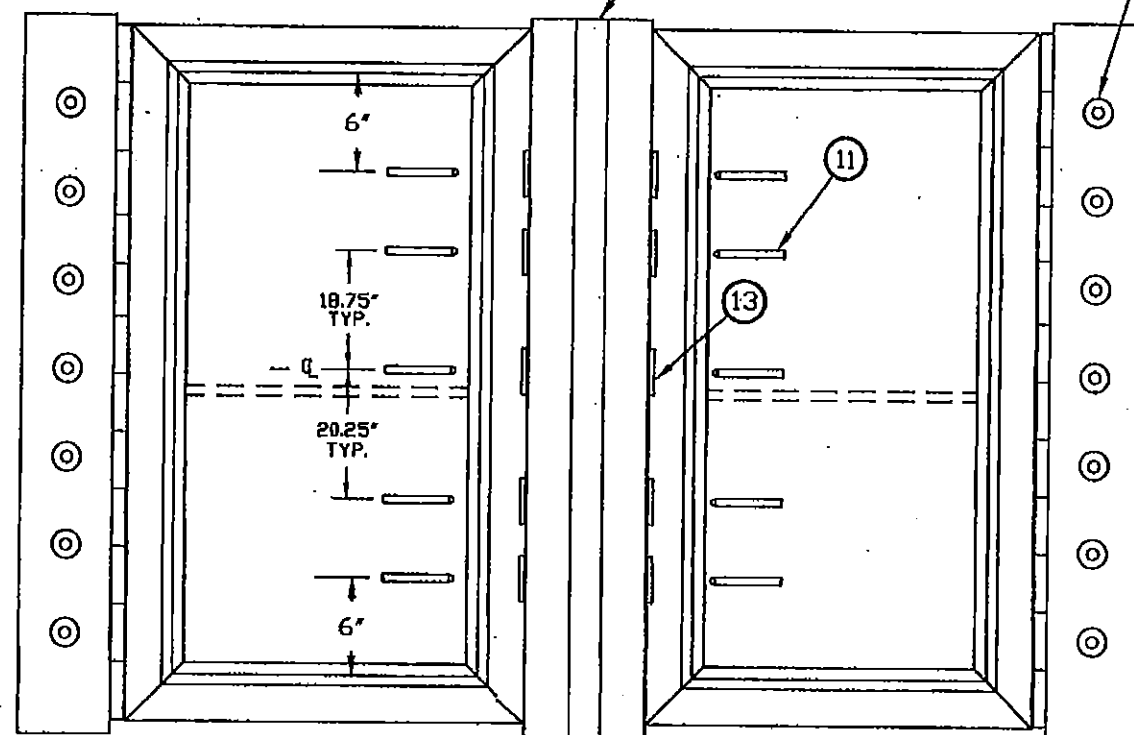
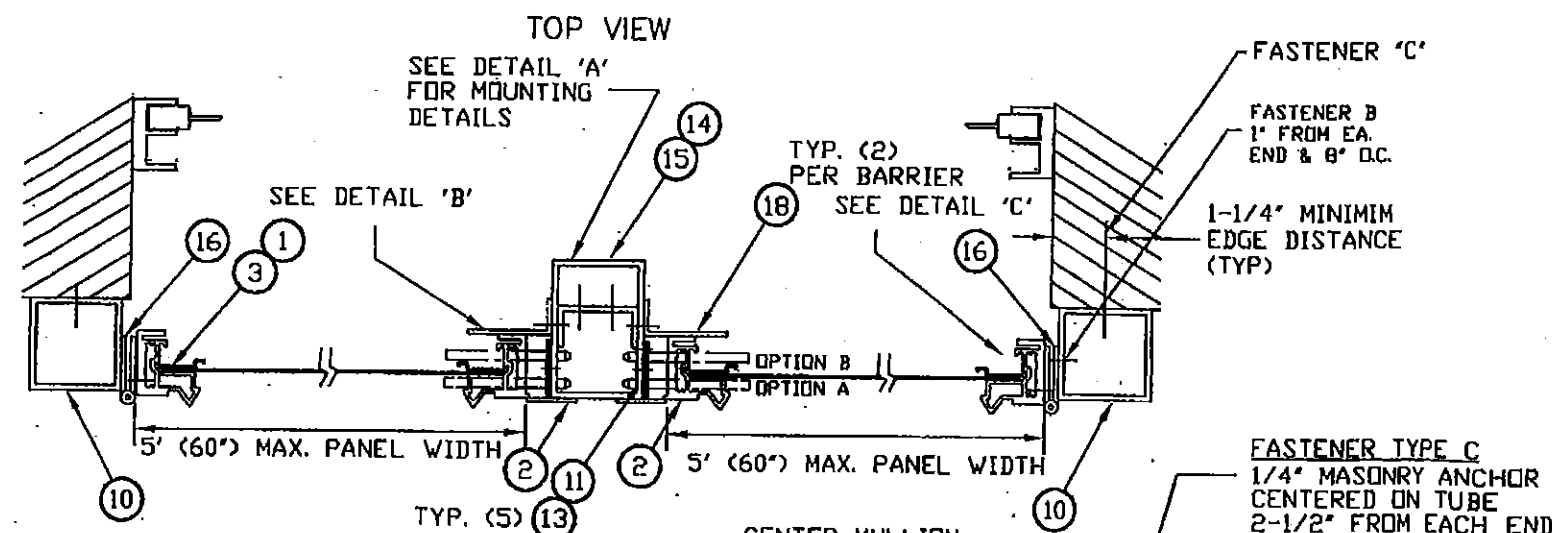
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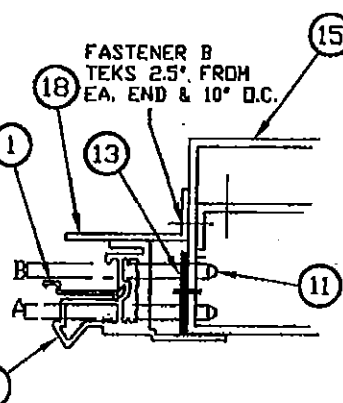
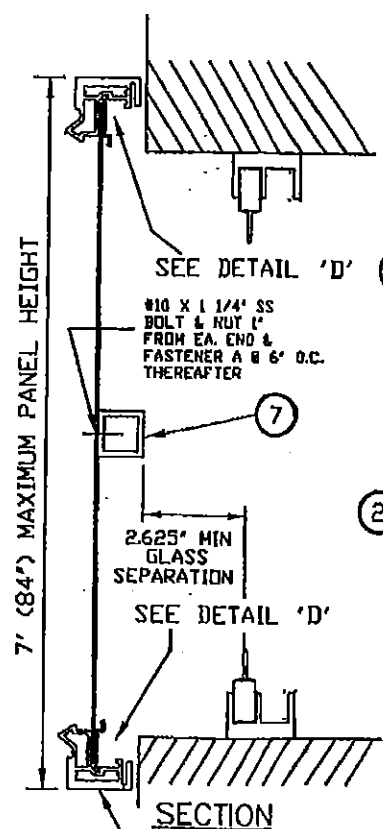
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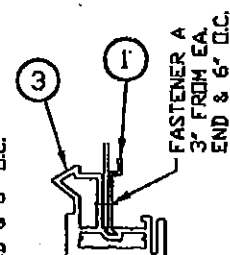
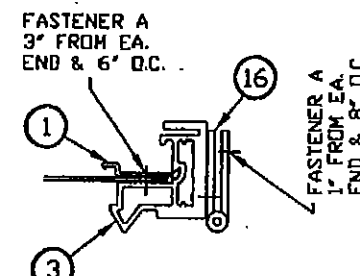
PAGE 3 OF 12



FASTENER TYPE C
1/4" MASONRY ANCHOR
CENTERED ON TUBE
2-1/2" FROM EACH END
12" ON CENTER.



ENLARGED VIEW OF MULLION DETAIL (TOP SHOWN; SAME FOR BOTTOM)



MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	93	93
STAINLESS STEEL	93	93

TITLE/CUSTOMER

DETAILS FOR STORM SHIELD HURRICANE BARRIER

5' X 7' ENHANCED SIDE HINGED (FACE MOUNT)

SCALE: NTS

DATE: 5/5/11

WWW.STORMSHIELD.NET

EXETER ARCHITECTURAL PRODUCTS

242 W. 8TH ST. WYOMING PA 18644

PRODUCT CONTROL CODE:

DRAWN BY: RBM

REVISED 1

TR#A0200.01-109-18

800-972-2478 FAX (570) 693-2575

DRAWING NO. SSHB-EHB

PAGE 4 OF 12

- NOTES:
- ITEM # (11) 1/4" X 2.63" SECURING PIN (MIN) S/S FIVE SECURING PINS ON SIDE OPPOSITE HINGE SIDE.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCD TAPCON WITH 1.25" MINIMUM EMBEDMENT IN FILLED CELLS. FASTENERS SPACED 2.5" FROM EACH END AND 12" O.C. THEREAFTER.
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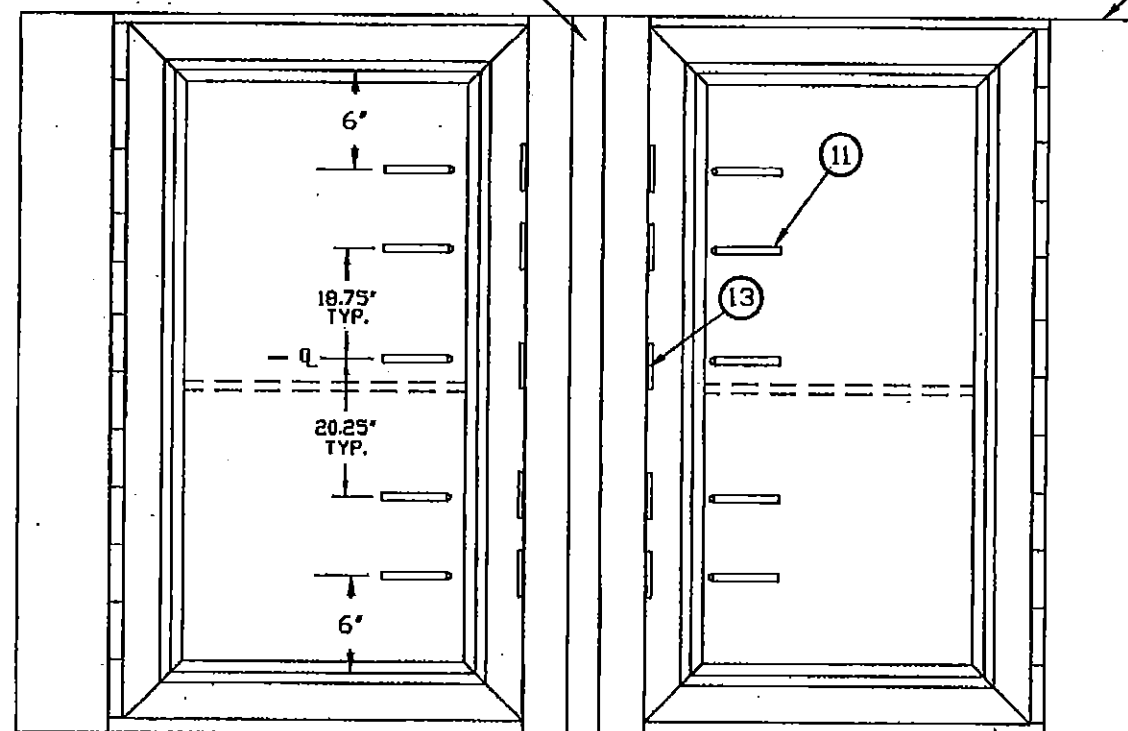
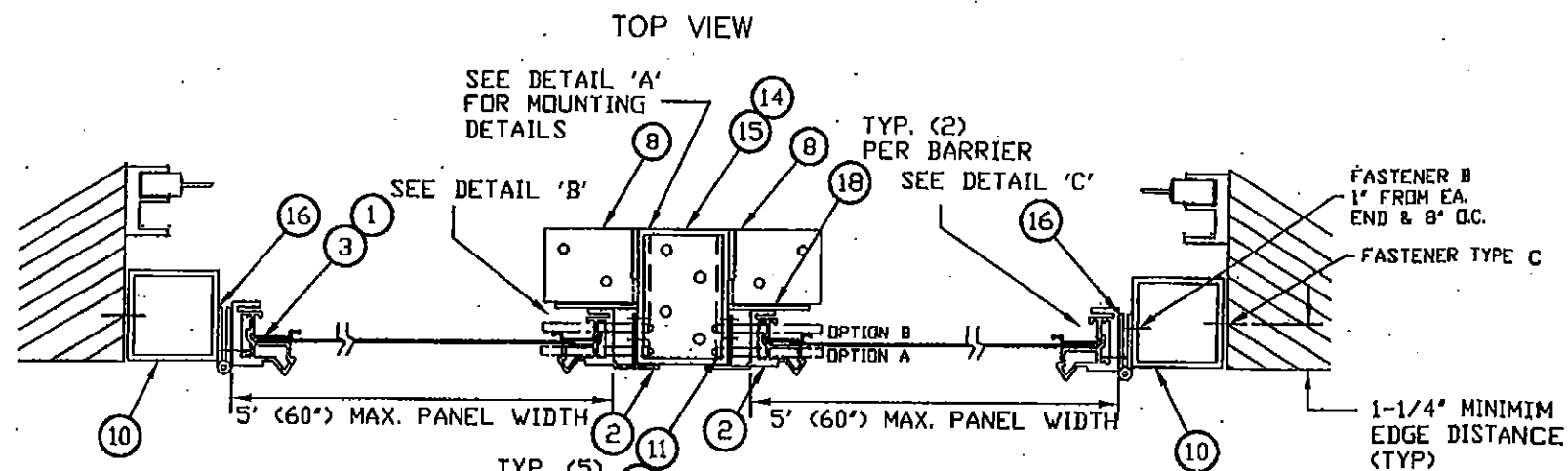
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CONSULTING ENGINEER
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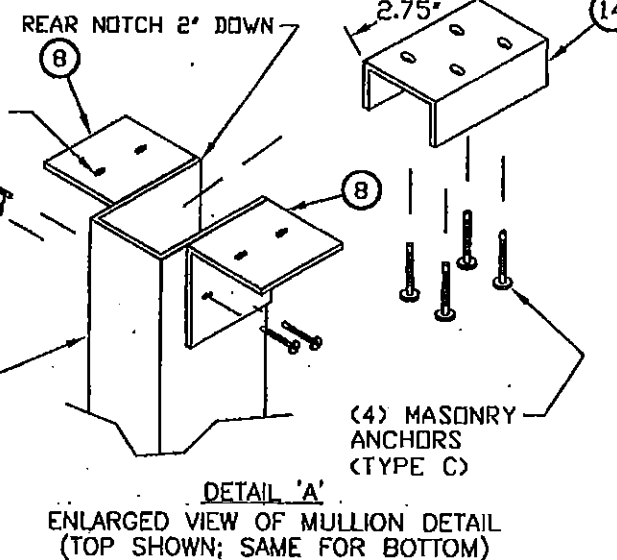
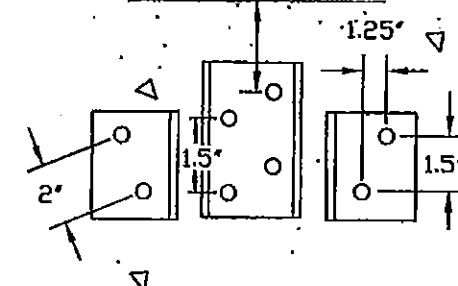
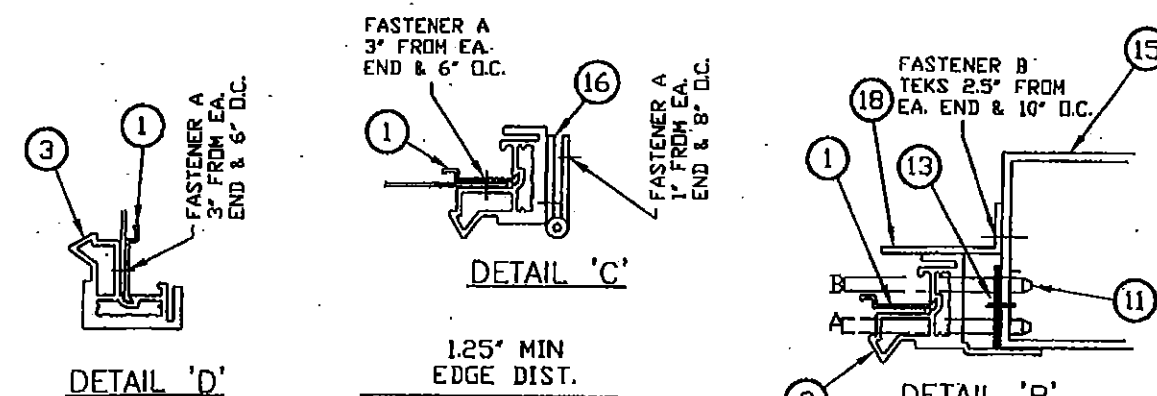
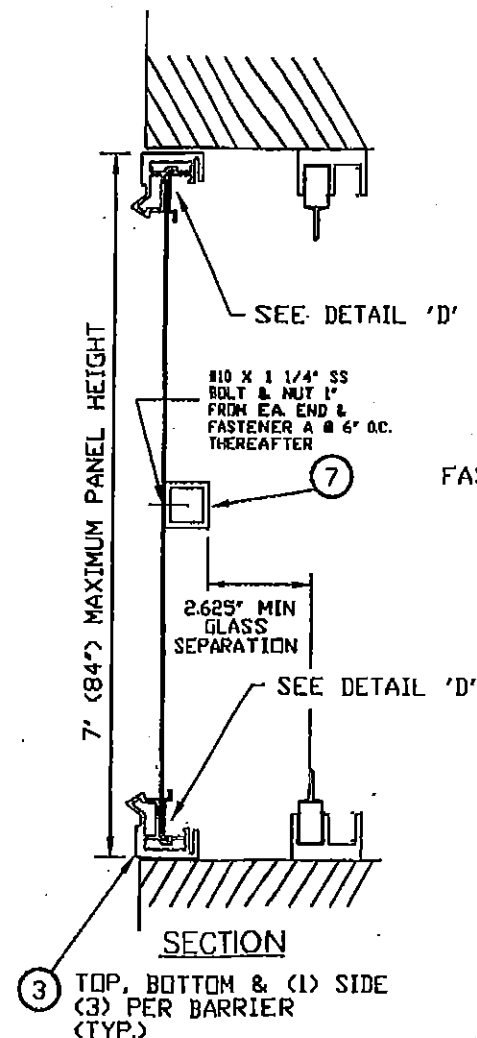
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Date 06/23/2011
NOA# 11-0127-02
Miami Dade Product Control
By *Healy A. Maxwell*

Healy A. Maxwell
5-17-11



ELEVATION
INSET MOUNT



MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	93	93
STAINLESS STEEL	93	93

TITLE/CUSTOMER

DETAILS FOR STORM SHIELD HURRICANE BARRIER
5' X 7' ENHANCED SIDE HINGED (INSET MOUNT)

SCALE: NTS

DATE: 5/5/11

242 W. 8TH ST.
WYOMING PA 18644

PRODUCT CONTROL CODE:



DRAWN BY: RBM

REVISED 1

TR#A0200.01-109-18

800-972-2478
FAX (570) 693-2575

DRAWING NO. SSHB-EHB

PAGE 5 OF 12

NOTES:

- ITEM #11 1/4" X 2.63" SECURING PIN (MIN) S/S FIVE SECURING PINS ON SIDE OPPOSITE HINGE SIDE.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN FILLED CELLS. FASTENERS SPACED 2.5" FROM EACH END AND 12" O.C. THEREAFTER.
- UNITS LESS THAN 30" IN HEIGHT SHALL SPILT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
- UNITS CAN BE MOUNTED AS SINGLE BARRIER.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0528.03
Expiration Date 06/23/2016
By *Heidi A. Miller*
Miami Dade Product Control

CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
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MIAMI, FLORIDA 33126
(305) 541-7549

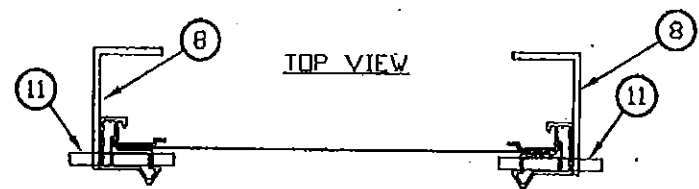
Board of Professional Engineers
Exam: Mechanical-Structural 1965
State of Florida P.E. Registration
No. 10150
U.S. Army Corps of Engineers
Civil-Structural Engineer
Florida Power & Light Company
Electrical Engineer

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-1019.20
Expiration Date 6/23/2016
By *Heidi A. Miller*
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date 06/23/2011
NOA# 11-0127.02
Miami Dade Product Control

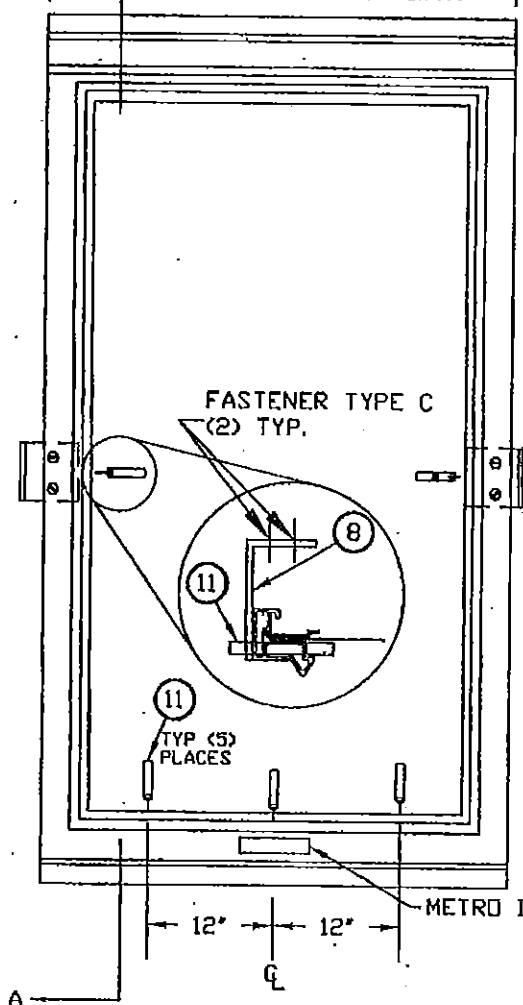
By *Heidi A. Miller*

Heidi A. Miller
5-17-11

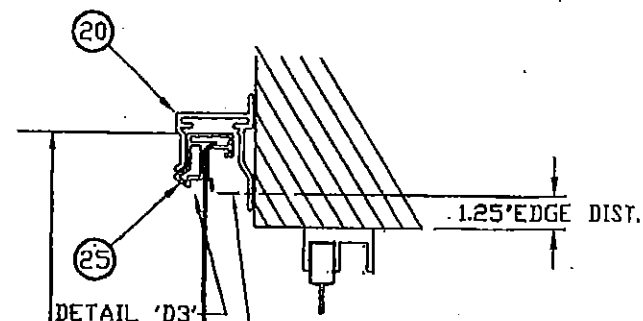


TOP VIEW

NOTE: PERF NOT SHOWN FOR CLARITY
4' - 0" MAX. PANEL WIDTH



PLAN VIEW

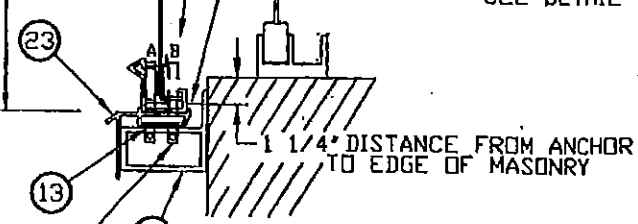


DETAIL 'D3'

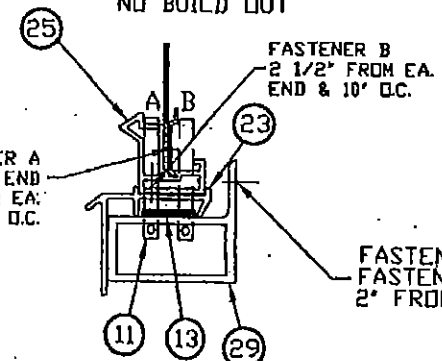
6'-0" (72") MAX. PANEL HEIGHT

MID-HT.

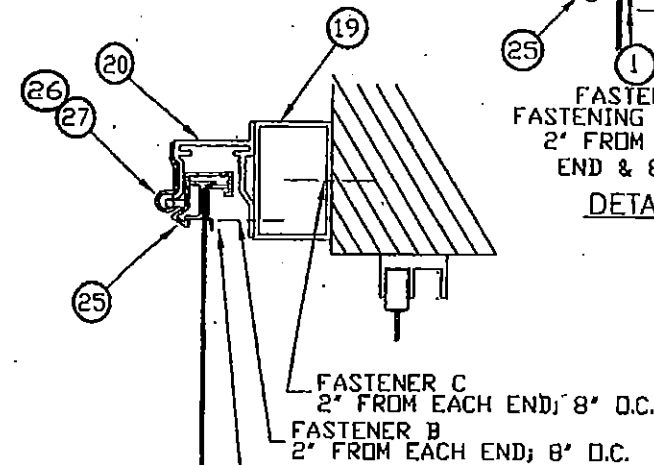
(OPTION 'A' OR 'B')



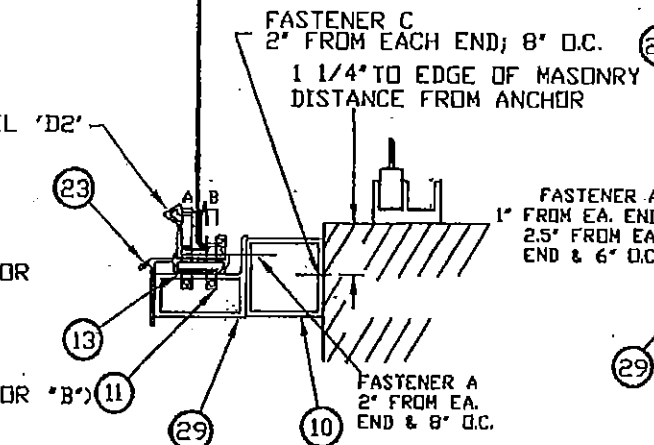
SECTION 'A'
NO BUILD OUT



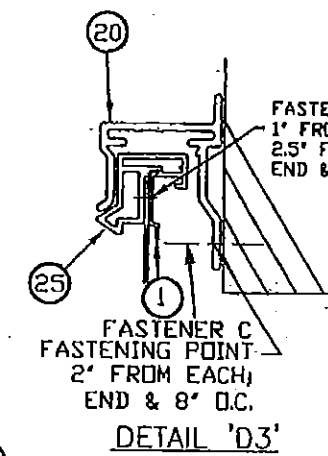
DETAIL 'D1'



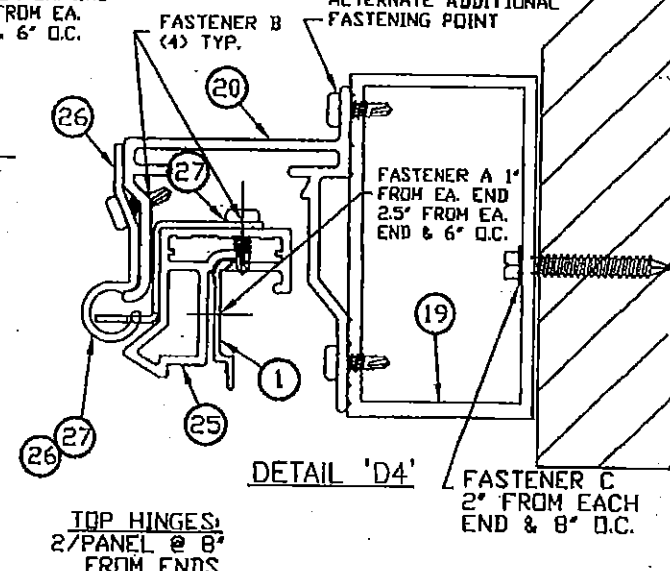
DETAIL 'D2'



SECTION 'A1'
WITH BUILD OUT



DETAIL 'D3'



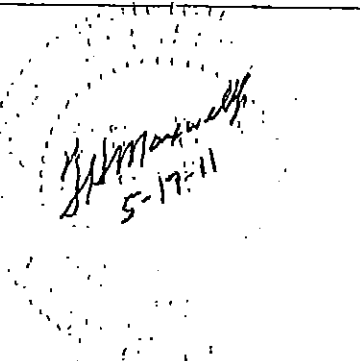
DETAIL 'D4'

TOP HINGES:
2/PANEL @ 8"
FROM ENDS

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as complying with the Florida
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Acceptance No 15-0528.03
Expiration Date 06/23/2016
By *Helmy A. Mah*
Miami Dade Product Control

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By *Helmy A. Mah*
Miami Dade Product Control

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Florida Building Code
Date 06/23/2011
NOAH 11-0127-02
Miami Dade Product Control
By *Helmy A. Mah*



MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
STAINLESS STEEL	155	155

NOTES:

- SECTION 'A' IS STANDARD LAYOUT, WHILE SECTION 'A1' SHOWS OPTIONAL FEATURES.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4" X 1 3/4" ELCD TAPCON WITH 1.75" MINIMUM EMBEDMENT WITH FILLED CELLS.
- SEE PAGE 11 & 12 FOR EXTRUSION DETAILS

CONSULTING ENGINEER
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Board of Professional Engineers
Exam: Mechanical-Structural 1965
State of Florida P.E. Registration
No. 10150
U.S. Army Corps of Engineers:
Civil-Structural Engineer
Florida Power & Light Company:
Electrical Engineer

TITLE/CUSTOMER
DETAILS FOR STORM SHIELD HURRICANE BARRIERS
"READY MOUNT UNITS"
4' X 6' ENHANCED SINGLE (FACE MOUNT)

SCALE: NTS

DATE: 5/5/11

WWW.STORMSHIELD.NET



DRAWN BY: RBM

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TR#A3081.01-109-18

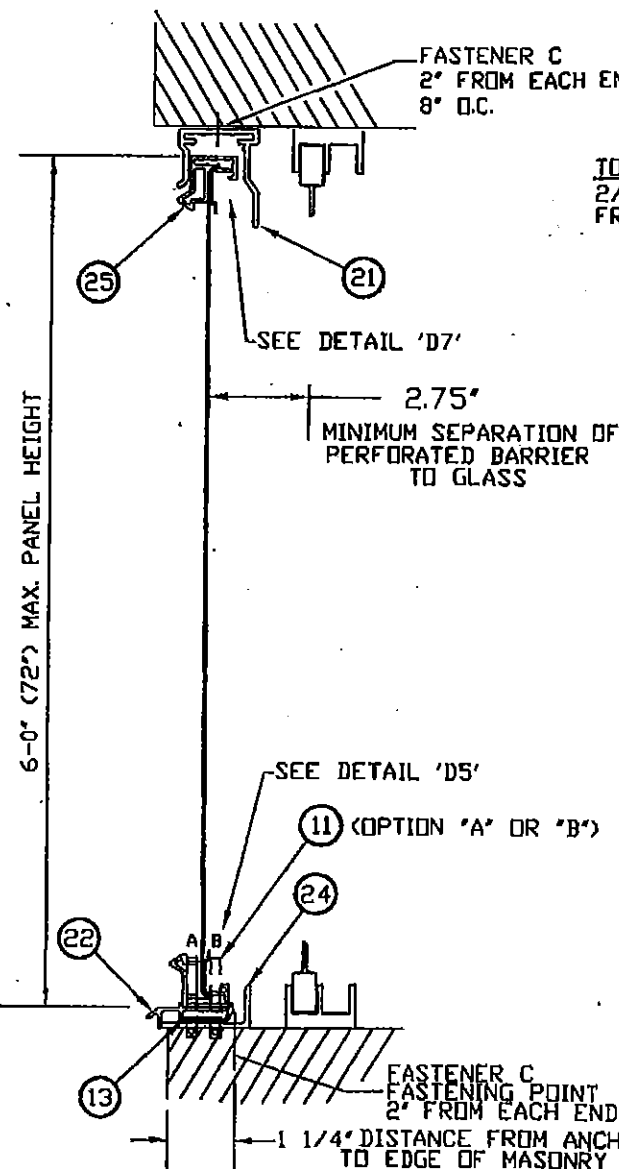
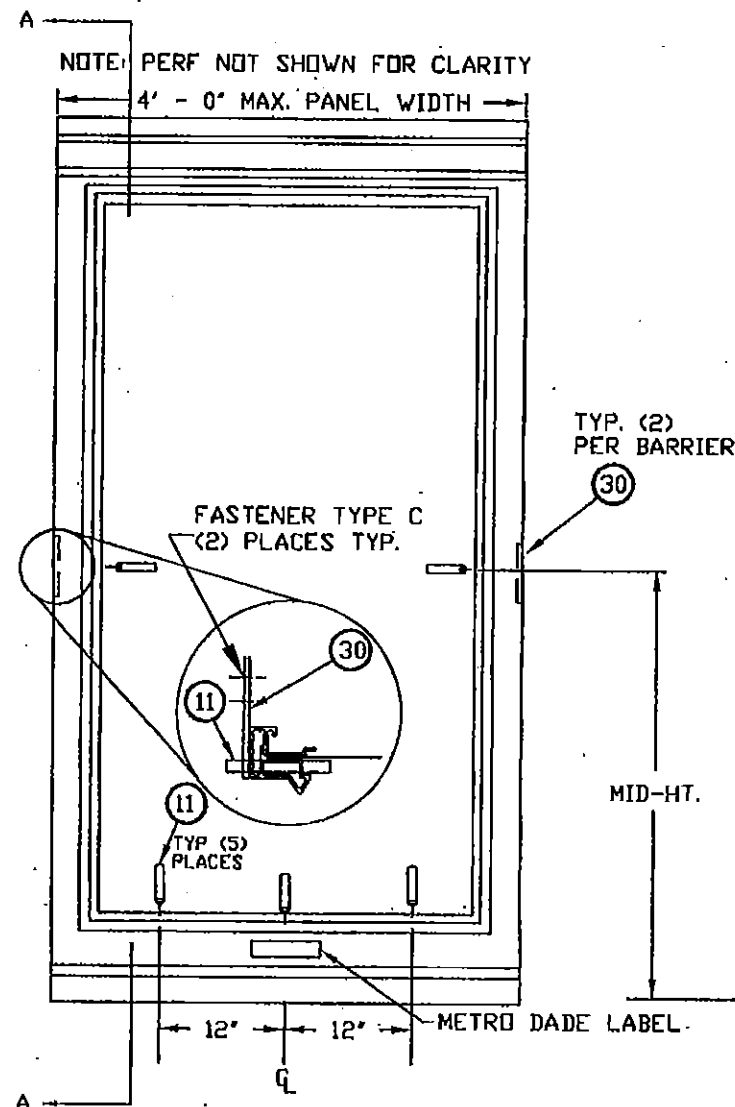
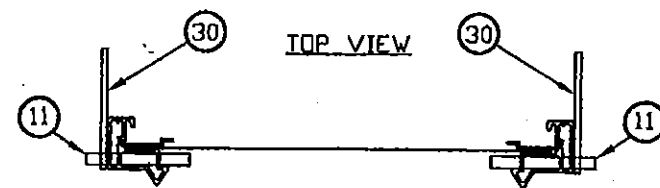
242 W. 8TH ST.
WYOMING PA 18644

PRODUCT CONTROL CODE:

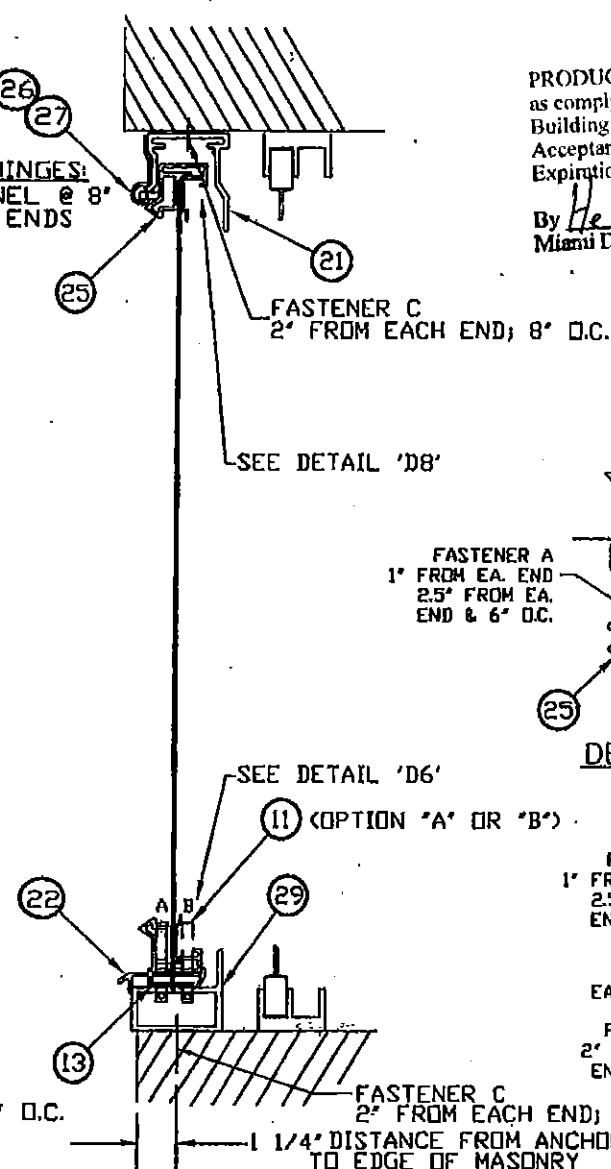
800-972-2478
FAX (570) 693-2575

DRAWING NO. SSHB-EHB

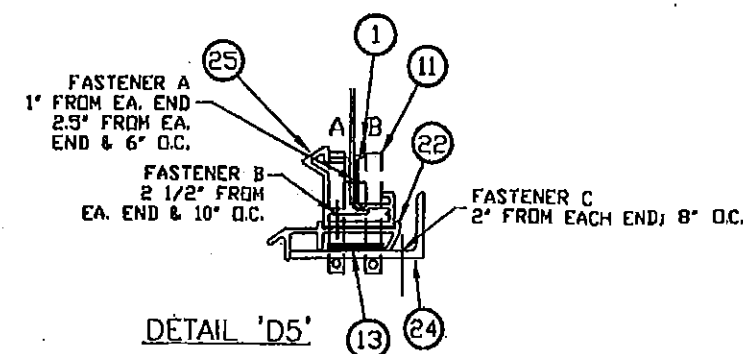
PAGE 6 OF 12



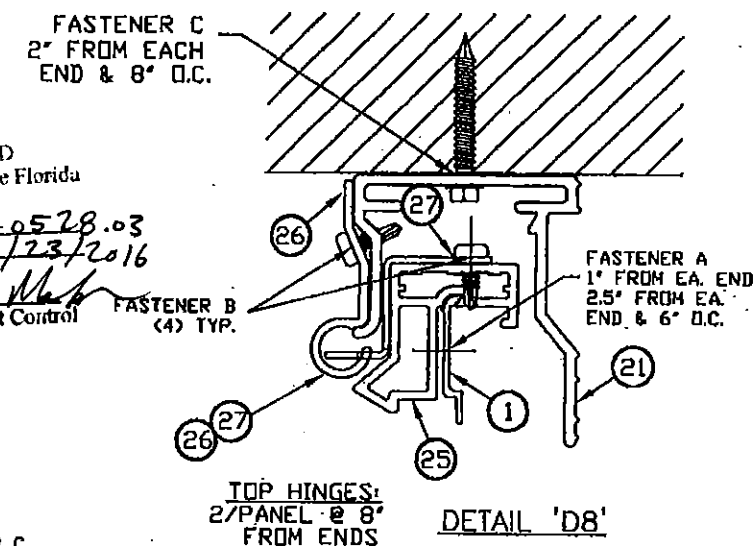
SECTION 'A'



SECTION 'A1'

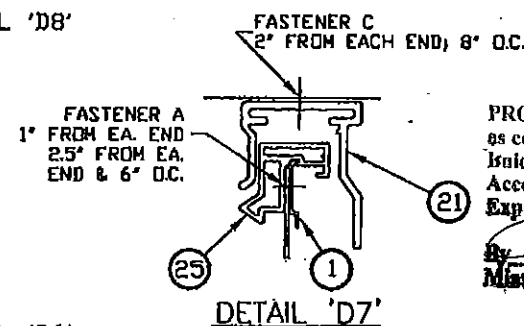


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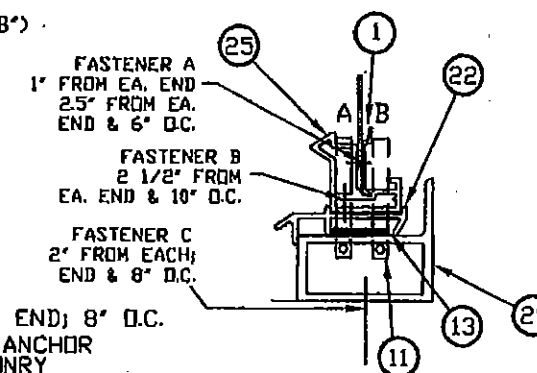


DETAIL 'D8'

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DETAIL 'D7'



DETAIL 'D6'

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Date 06/23/2011
NOAH 11-0127.02
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Expiration Date 6/23/2016
By *Heinz A. Maxwell*
Miami Dade Product Control

Heinz A. Maxwell
5-17-11

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
STAINLESS STEEL	155	155

NOTES:

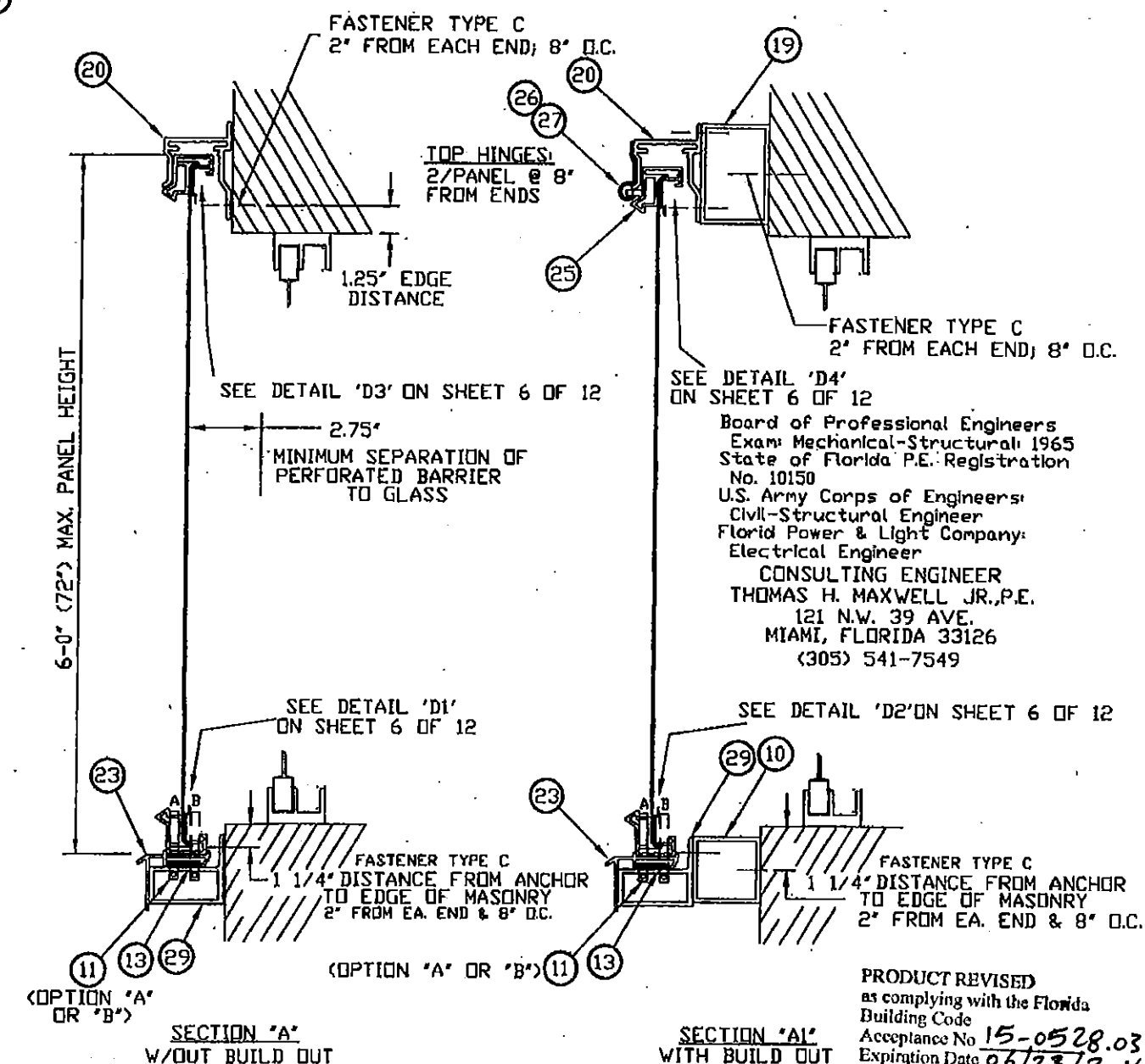
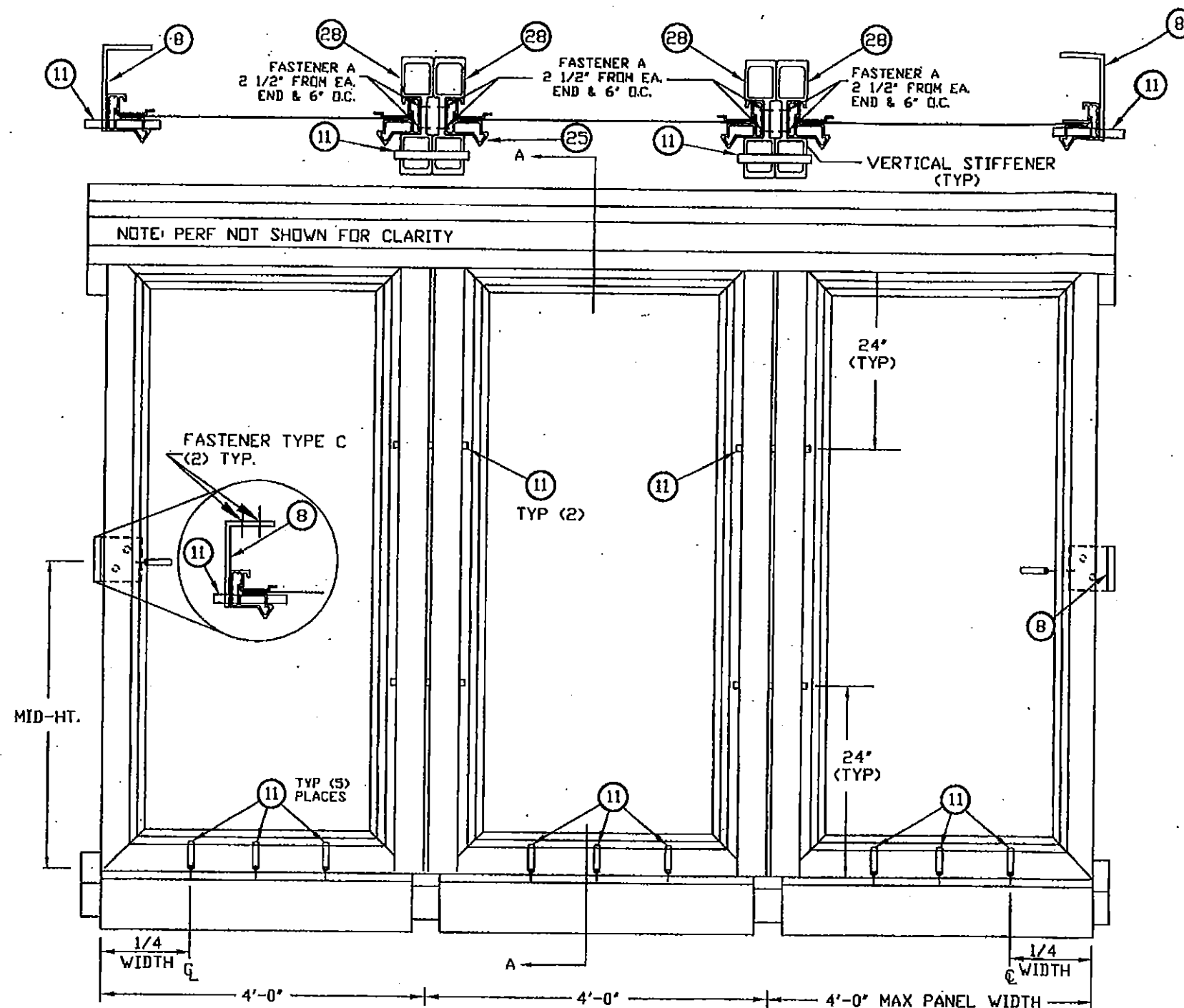
- SECTION 'A' IS STANDARD LAYOUT, WHILE SECTION 'A1' SHOWS OPTIONAL FEATURES.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.75" MINIMUM EMBEDMENT WITH FILLED CELLS.
- SEE PAGE 11 & 12 FOR EXTRUSION DETAILS

CONSULTING ENGINEER
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Board of Professional Engineers
Exam: Mechanical-Structural 1965
State of Florida P.E. Registration
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U.S. Army Corps of Engineers
Civil-Structural Engineer
Florida Power & Light Company
Electrical Engineer

TITLE/CUSTOMER
DETAILS FOR STORM SHIELD HURRICANE BARRIERS
"READY MOUNT UNITS"
4' X 6' ENHANCED SINGLE (INSET MOUNT)

SCALE: NTS	WWW.STORMSHIELD.NET	DRAWN BY: RBM
DATE: 5/5/11	EXETER ARCHITECTURAL PRODUCTS	REVISED 1
242 W. 8TH ST. WYOMING PA 18644	800-972-2478 FAX (570) 693-2575	TR#A3081.01-109-18
PRODUCT CONTROL CODE:	DRAWING NO. SSHB-EHB	PAGE 7 OF 12



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CONSULTING ENGINEER
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as complying with the Florida
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Acceptance No. 15-0528.03
Expiration Date 06/23/2016
By *Healy A. Mehn*
Miami Dade Product Control

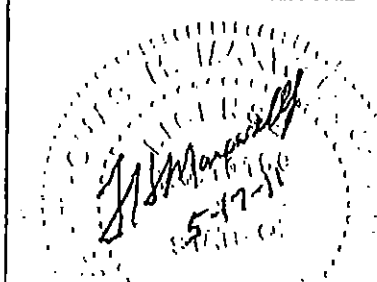
MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
STAINLESS STEEL	124	124

NOTES:

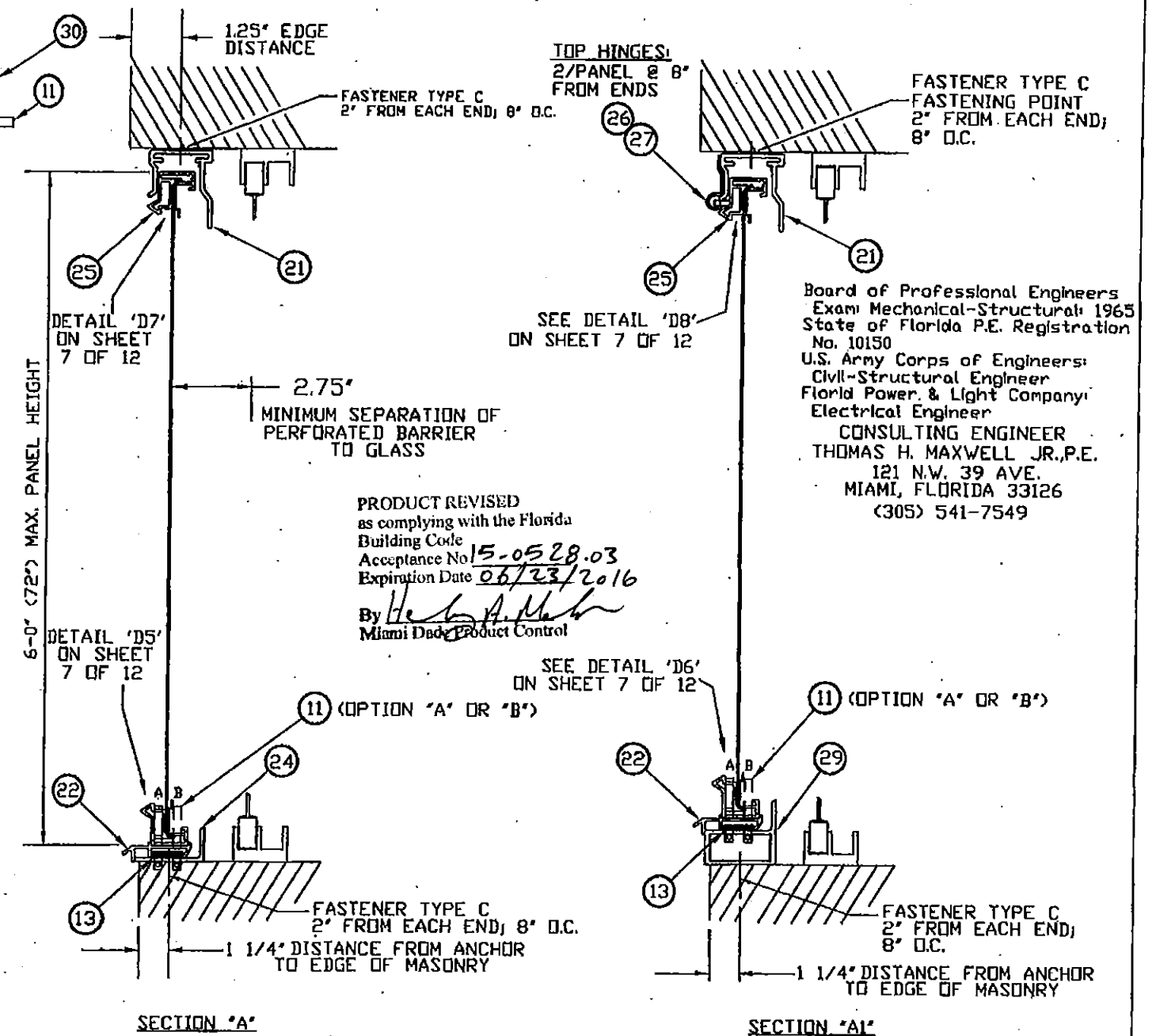
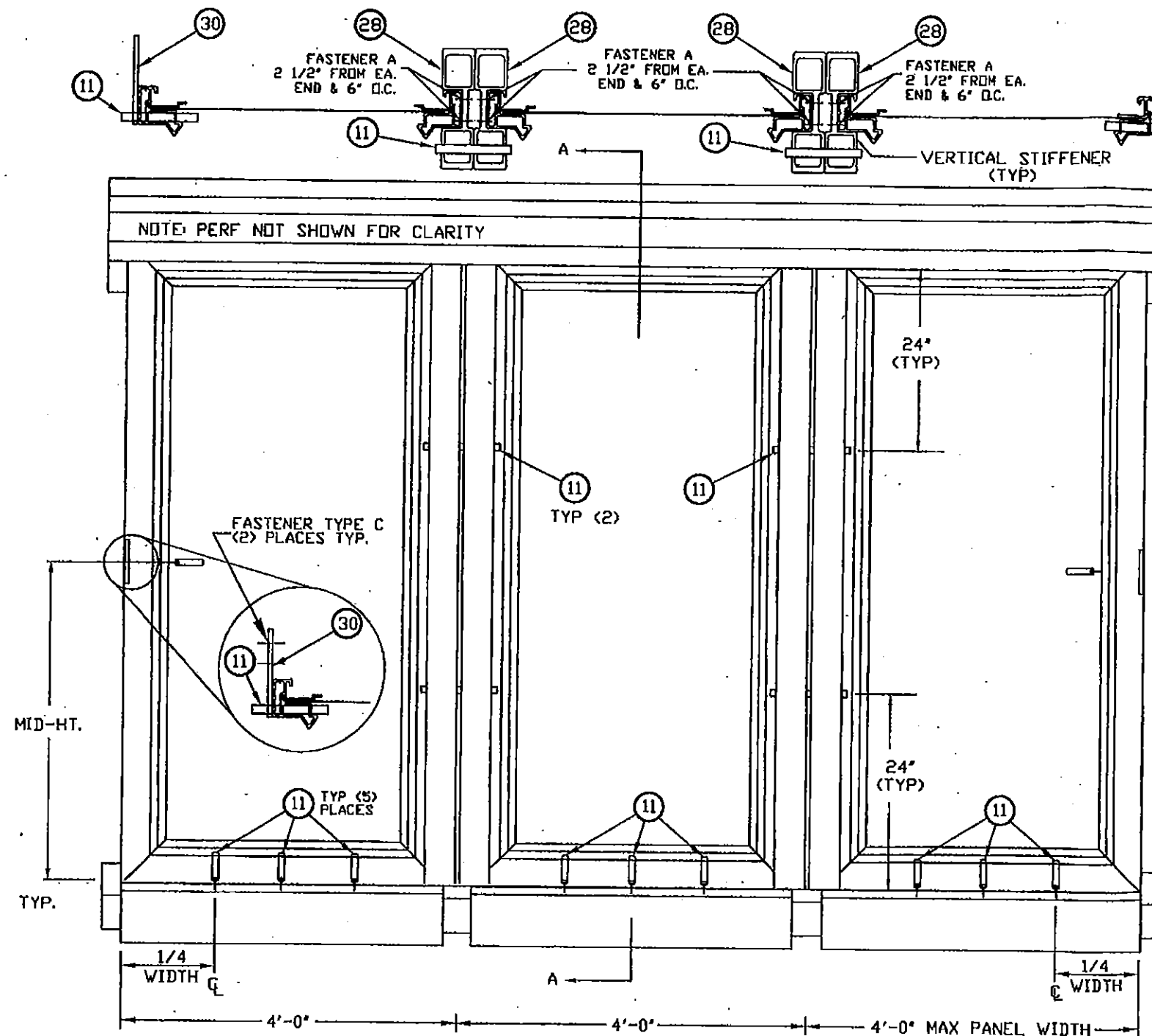
- SECTION "A" IS STANDARD LAYOUT, WHILE SECTION "A1" SHOWS OPTIONAL FEATURES.
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- FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.75" MINIMUM EMBEDMENT WITH FILLED CELLS.
- SEE PAGE 11 & 12 FOR EXTRUSION DETAILS

PRODUCT REVISED
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Building Code
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By *Healy A. Mehn*
Miami Dade Product Control

Approved as complying with the
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Date 06/23/2011
NOA# 11-0127.02
Miami Dade Product Control
By *Healy A. Mehn*



TITLE/CUSTOMER DETAILS FOR STORM SHIELD HURRICANE BARRIERS "READY MOUNT UNITS" 4' X 6' ENHANCED TRIPLE (FACE MOUNT)		SCALE: NTS		WWW.STORMSHIELD.NET		DRAWN BY: RBM	
DATE: 5/5/11		242 W. 8TH ST. WYOMING PA 18644		EXETER ARCHITECTURAL PRODUCTS		REVISED 1	
PRODUCT CONTROL CODE:		800-972-2478 FAX (570) 693-2575		TR#A3082.01-109-18		DRAWING NO. SSHB-EHB	
						PAGE 8 OF 12	



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Exam Mechanical-Structural 1965
State of Florida P.E. Registration
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Civil-Structural Engineer
Florida Power & Light Company
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CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
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By *Heidi A. Miller*
Miami Dade Product Control

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
STAINLESS STEEL	124	124

NOTES:

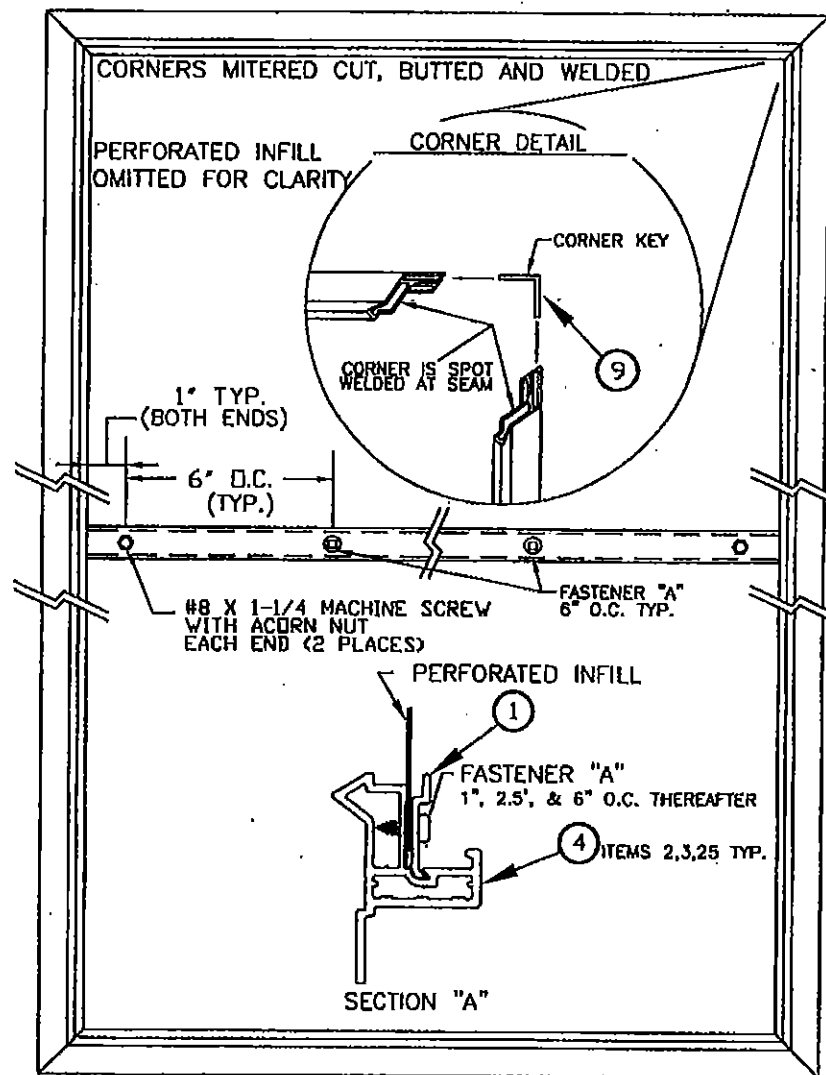
- SECTION 'A' IS STANDARD LAYOUT, WHILE SECTION 'A1' SHOWS OPTIONAL FEATURES.
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- SEE PAGE 11 & 12 FOR EXTRUSION DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-1019.10
Expiration Date 6/23/2016
By *Heidi A. Miller*
Miami Dade Product Control

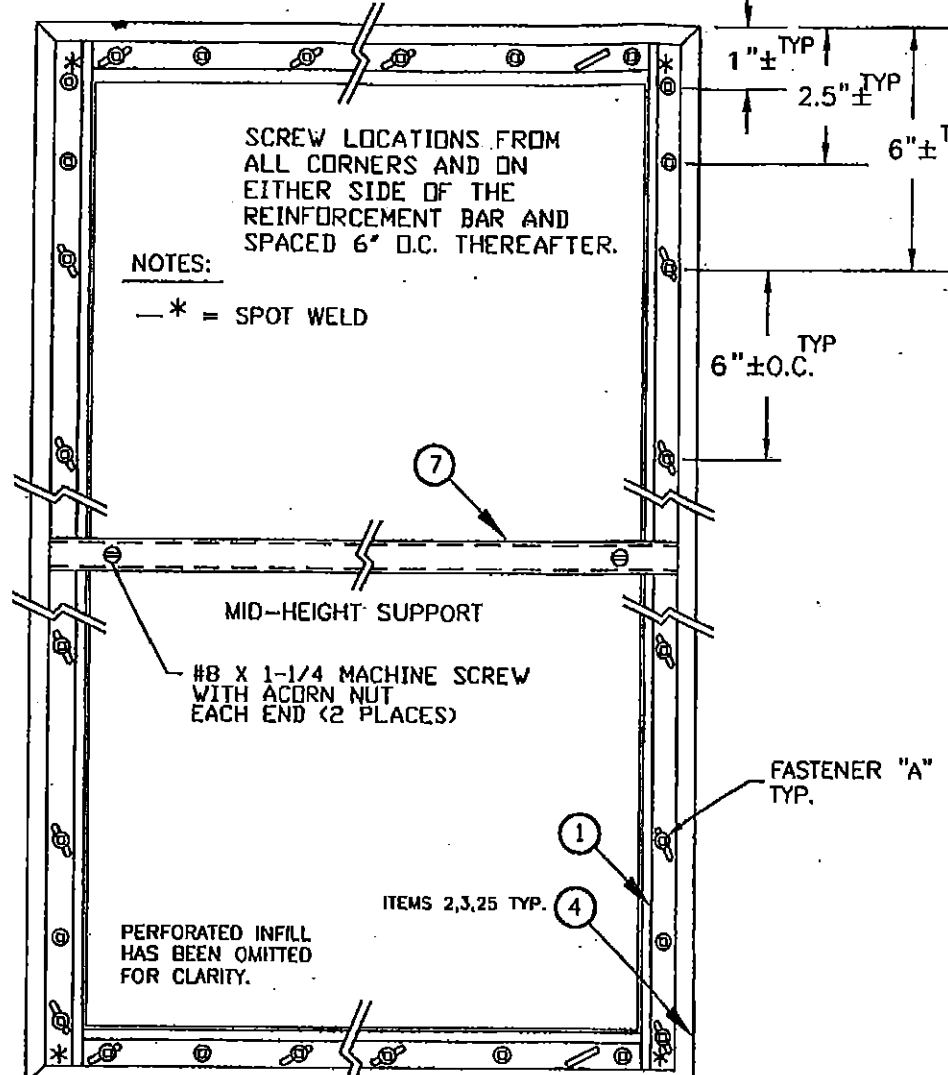
Approved as complying with the
Florida Building Code
Date 06/23/2011
NOA# 11-0127.02
Miami Dade Product Control
By *Heidi A. Miller*

TITLE/CUSTOMER DETAILS FOR STORM SHIELD HURRICANE BARRIERS "READY MOUNT UNITS" 4' X 6' ENHANCED TRIPLE (INSET MOUNT)		
SCALE: NTS	WWW.STORMSHIELD.NET	DRAWN BY: RBM
DATE: 5/5/11		REVISED 1
242 W. 8TH ST. WYOMING PA 18644		TR#A3082.01-109-18
PRODUCT CONTROL CODE:		800-972-2478 FAX (570) 693-2575
		DRAWING NO. SSBH-EHB
PAGE 9 OF 12		

HURRICANE BARRIER SUBFRAME ASSEMBLY DETAILS



PANEL
FRONT

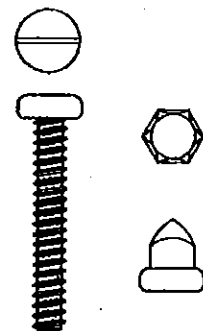


PANEL
REAR

HARDWARE
FASTENER A



FASTENER A
#10X5/8" LONG
ROBERTSON HEAD
SELF-TAPPING SCREW
1' & 2.5' FROM CORNER
AND 6' O.C. THEREAFTER



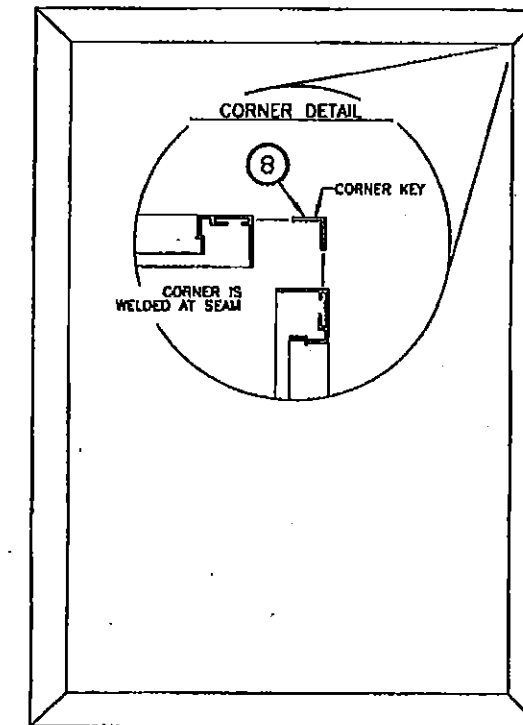
MACHINE SCREW
#8 X 1-1/4 SS
WITH ACORN NUT
1' FROM EA. END
OF MID-HEIGHT SUPP.

1 X 1 X 1/8 MIDHEIGHT SUPPORT:
REQUIRED FOR 5 X 7 ONLY

CONSULTING ENGINEER
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1 x 2 OUTER FRAME ASSEMBLY DETAILS

CORNERS MITERED CUT, BUTTED AND WELDED



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By *[Signature]*
Miami Dade Product Control

[Signature]
5-17-11

TITLE/CUSTOMER

HURRICANE BARRIER SUBFRAME ASSEMBLY DETAILS

SCALE:

NTS

DATE:

5/5/11

DRAWN BY:

RBM

REVISED 1

242 W. 8TH ST.
WYOMING PA 18644

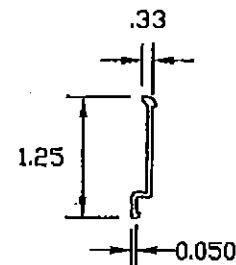


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FAX (570) 693-2575

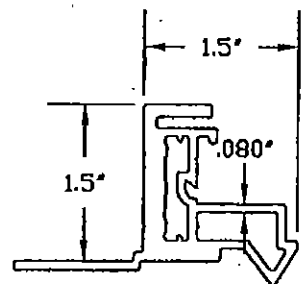
PRODUCT CONTROL CODE:

DRAWING NO. SSHB-EHB

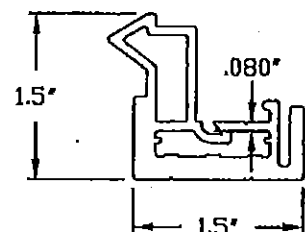
PAGE 10 OF 12



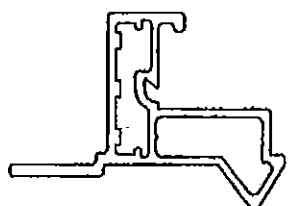
① **BARRIER RAIL**
TYP. WALL .050
6063 T5 ALLOY



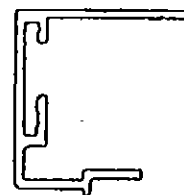
② **ENHANCED SUBFRAME W/STOP**
TYP. WALL .080
6063 T5 ALLOY



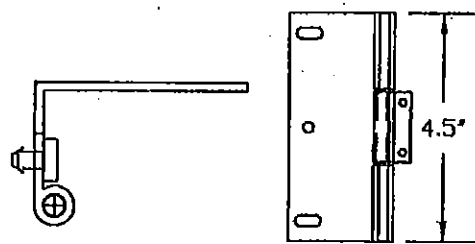
③ **ENHANCED SUBFRAME**
TYP. WALL .080
6063 T5 ALLOY



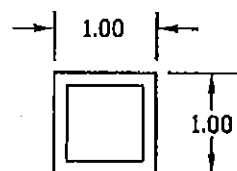
④ **1 X 2 SUBFRAME**
TYP. WALL = .060
6063 T5 ALLOY



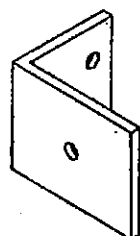
⑤ **1 X 2 OUTER FRAME**
TYP. WALL = .080
6063 T5 ALLOY



⑥ **HIDDEN HINGE**
THICKNESS = .090
304 STAINLESS STEEL

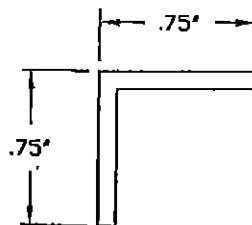


⑦ **MID-HEIGHT SUPPORT TUBE**
TYP. WALL .125
6063 T5 ALLOY

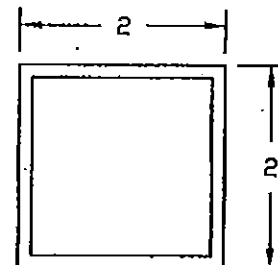


⑧ **2 X 1.5 CLIP ANGLE**
2 X 1.5 X .125 ANGLE
6063 T5 ALLOY

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By *He Long A. M...*
Miami Dade Product Control



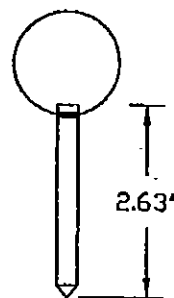
⑨ **CORNER KEY**
TYP. WALL = .095
6063 T5 ALLOY
(INTERNAL PART)



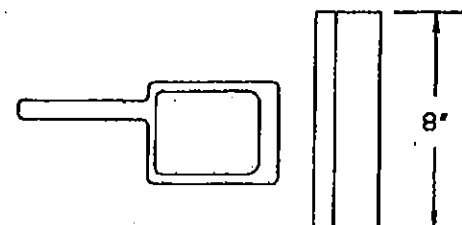
⑩ **2 X 2 TUBE**
2.000" X 2.000"
X .125" TUBE
6063 T5 ALLOY



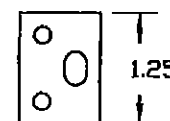
⑪ **#14 SHEET METAL SCREW**
LENGTH = 2.5"
OPTION A 18-8 STAINLESS STEEL



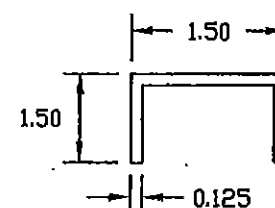
⑪ **SECURING PIN**
TYP. DIA. .25"
OPTION B 304 STAINLESS STEEL



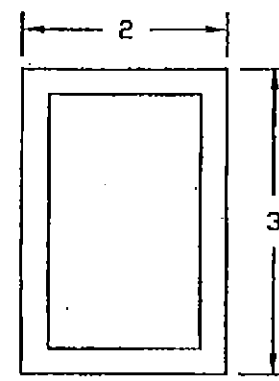
⑫ **SINGLE HOLLOW**
TYP. WALL .094
6063 T5 ALLOY



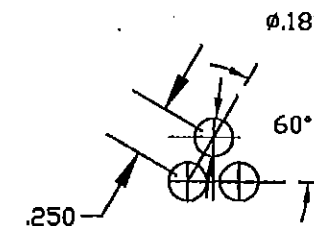
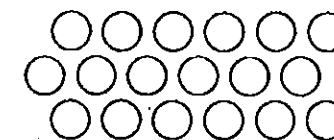
⑬ **PIN REINFORCEMENT**
TYP. THK. .079
304 STAINLESS STEEL
"PIN LOCATOR"



⑭ **CHANNEL (TUBE MOUNTING)**
TYP. WALL .125
6063 T5 ALLOY



⑮ **BUILD-OUT TUBE**
2.000" X 3.000"
X .250" TUBE
6061 T5 ALLOY



PERFORATED PATTERN:
.1875" HOLES ON .25" STAG PATTERN
INVISIPERF II
FULL SCALE

MATERIAL:
.079" (NOMINAL THICKNESS)
GALVANNEALED STEEL
STRUCTURAL QUALITY GRADE
33 WITH A60 GALVANNEAL
COATING PER ASTM A653
FINISHED WITH POLYESTER
POWDER COAT.
.0705" (MIN. THICKNESS)

(GALVANNEALED OPTION NOT
AVAILABLE FOR ALL UNITS)

OPTIONAL MATERIAL:
.079" (NOMINAL THICKNESS)
STAINLESS STEEL
PREPARED USING
ASTM A240 SPECIFICATION.
WITH THESE MIN. REQUIREMENTS:
-TENSILE STRENGTH - 75 ksi. MIN.
-YIELD STRENGTH - 58 ksi. MIN.
-ELONGATION - 40% IN 2" MIN.
-HARDNESS - 92 RB MAX.
FINISHED WITH WEATHER
RESISTANT, HIGH PERFORMANCE
ELECTRO-STATIC APPLIED
COATING.
.0711" (MIN. THICKNESS)

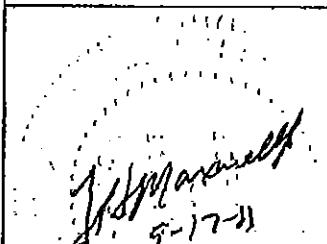
CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

Board of Professional Engineers
Exam Mechanical-Structural 1965
State of Florida P.E. Registration
No. 10150
U.S. Army Corps of Engineers
Civil-Structural Engineer
Florida Power & Light Company
Electrical Engineer

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1019.20
Expiration Date 6/23/2016

By *He Long A. M...*
Miami Dade Product Control
Approved as complying with the
Florida Building Code
Date 06/23/2011
NOA# 11-0127-02
Miami Dade Product Control

By *He Long A. M...*



TITLE/CUSTOMER

TYPICAL EXTRUSION DETAILS FOR STORM SHIELD

SCALE: NTS

DATE: 5/5/11

WWW.STORMSHIELD.NET



DRAWN BY: RBM

REVISED 1

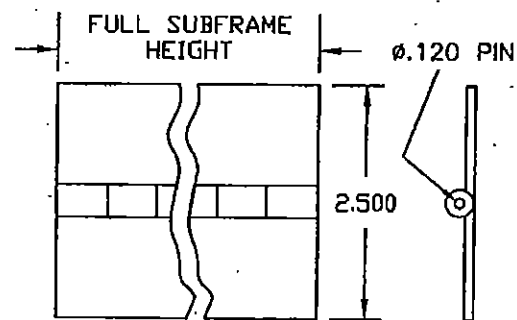
242 W. 8TH ST.
WYOMING PA 18644

PRODUCT CONTROL CODE:

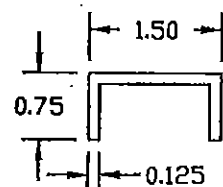
800-972-2478
FAX (570) 693-2575

DRAWING NO. SSHB-EHB

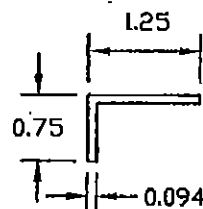
PAGE 11 OF 12



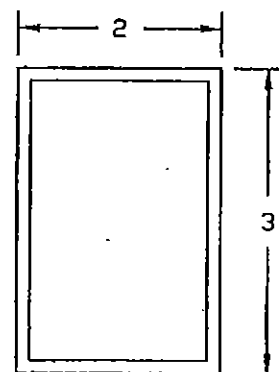
16 CONTINUOUS HINGE
0.075" THK. 304 STAINLESS STEEL



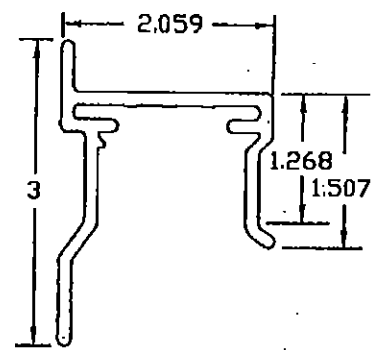
17 1.5 X .75 C-CHANNEL
TYP. WALL .125
6063 T5 ALLOY



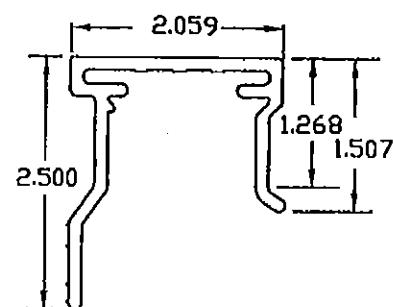
18 STOP ANGLE
TYP. WALL .094
6063 T5 ALLOY



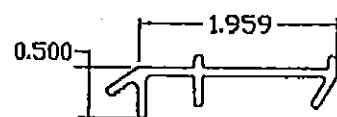
19 BUILD-OUT TUBE
2.000" X 3.000"
X .125" TUBE
6063 T5 ALLOY



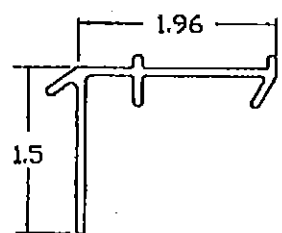
20 FACE MOUNT HEADER
TYP. WALL .095
6063 T5 ALLOY



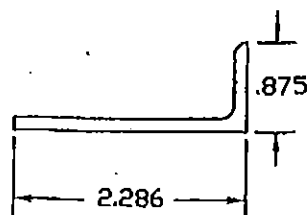
21 INSET MOUNT HEADER
TYP. WALL .095
6063 T5 ALLOY



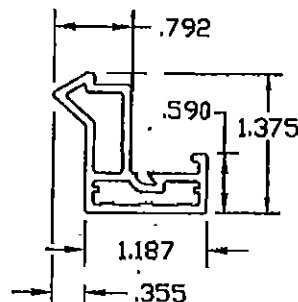
22 MOD. BARRIER BRACKET
TYP. WALL .080
6063 T5 ALLOY



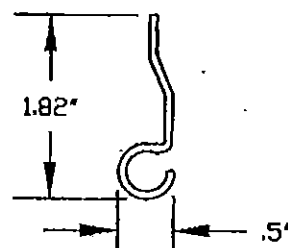
23 STANDARD BARRIER BRACKET
TYP. WALL .080
6063 T5 ALLOY



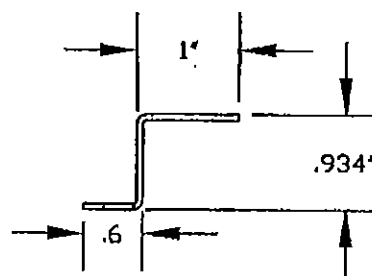
24 SILL BRACKET
TYP. WALL .125
6063 T5 ALLOY



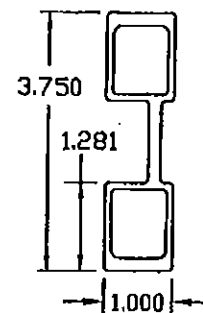
25 SURROUND FRAME
TYP. WALL .080
6063 T6 ALLOY



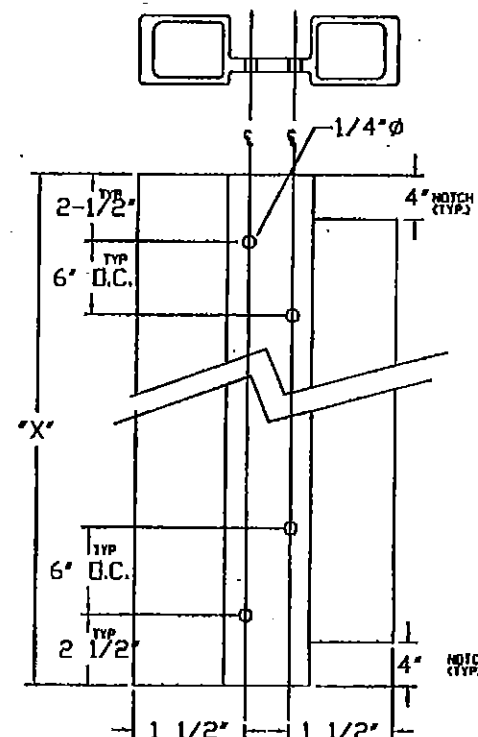
26 TOP HINGE PART A
TYP. WALL .070
6063 T5 ALLOY



27 TOP HINGE PART B
TYP. WALL 13 GA.
STAINLESS STEEL

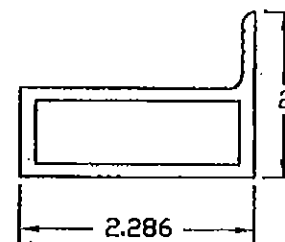


28 VERTICAL STIFFENER
TYP. WALL = .0938
6063 T5 ALLOY
"DOUBLE HOLLOW"



NOTE: SPACING BETWEEN LAST TWO FASTENER HOLES WILL VARY IN THE MIDDLE OF THE EXTRUSION

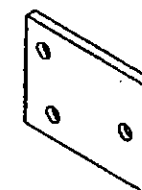
FACE/INSET READY MOUNT
VERTICAL STIFFENER HOLE LOCATIONS



29 SECURITY SILL BRACKET
TYP. WALL .125
6063 T5 ALLOY

30

MID-HEIGHT SUPPORT FLAT
ALUMINUM FLAT
2.000 X 3.000 X .125
6063 T5 ALLOY



CONSULTING ENGINEER
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Board of Professional Engineers
Exam: Mechanical-Structural: 1965
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Civil-Structural Engineer
Florida Power & Light Company
Electrical Engineer

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as complying with the Florida
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Acceptance No. 12-1019.20
Expiration Date 6/13/2016

By *Thomas H. Maxwell Jr.*
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date 06/23/2011
NOAH# 11-0127-02
Miami Dade Product Control

By *Heather A. McLean*

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0528.03
Expiration Date 06/23/2016
By *Heather A. McLean*
Miami Dade Product Control

TITLE/CUSTOMER

TYPICAL EXTRUSION DETAILS FOR STORM SHIELD
(CONT'D)

SCALE: NTS

DATE: 5/5/11

242 W. 8TH ST.
WYOMING PA 18644

PRODUCT CONTROL CODE:

WWW.STORMSHIELD.NET

EXETER

ARCHITECTURAL
PRODUCTS

800-972-2478
FAX (570) 693-2575

DRAWING NO. SSHB-EHB

PAGE 12 OF 12

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800-972-2478
FAX (570) 693-2575

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PAGE 12 OF 12